HIKVISION

Network Camera

Quick Start Guide

Installation

1   **2**


0° ~ 360°

0° ~ 360°

0° ~ 90°

0° ~ 360°

0° ~ 360°

0° ~ 360°

0° ~ 90°

3

4

0° ~
360°

0° ~ 360°

0° ~
90°

T 20

T 20

0° ~ 360°

0° ~
90°

0° ~ 355°

5

6

0° ~ 360°

0° ~ 75°

0° ~ 360°

T 10

0° ~ 355°

0° ~ 75°

0° ~ 360°

7

8

-30° ~ 30°

0° ~ 355°

0° ~ 360°

0° ~ 75°

0° ~ 75°

0° ~ 355°

9

① ② ③ ④ ⑤

T 20

T 20

0° ~ 75°

0° ~ 355° 0° ~ 355°

10

0° ~ 80°
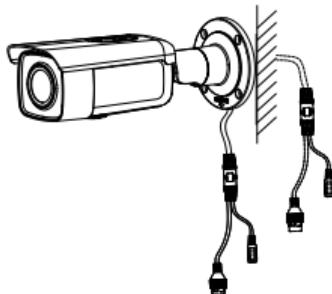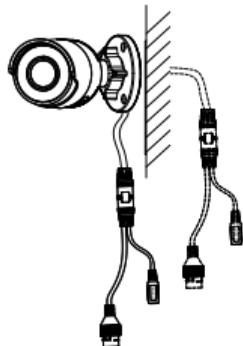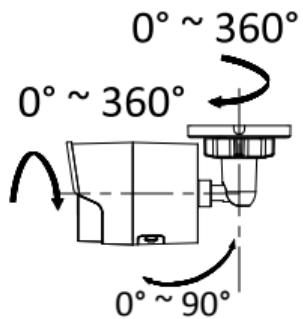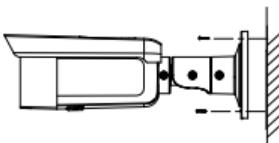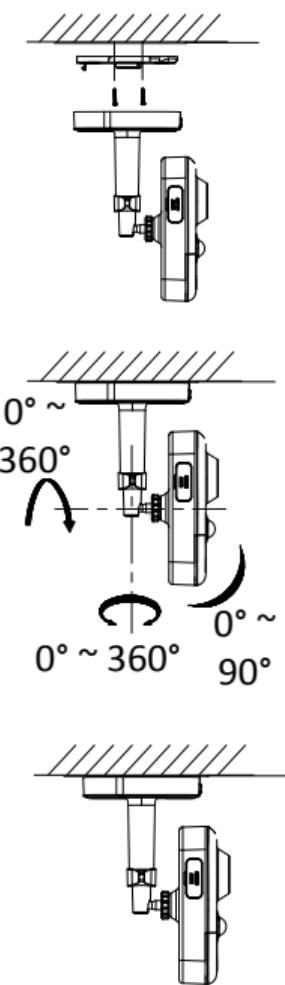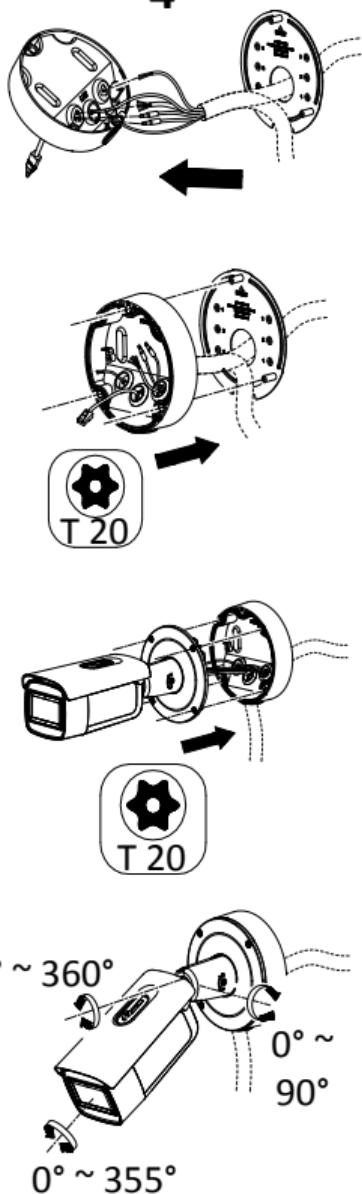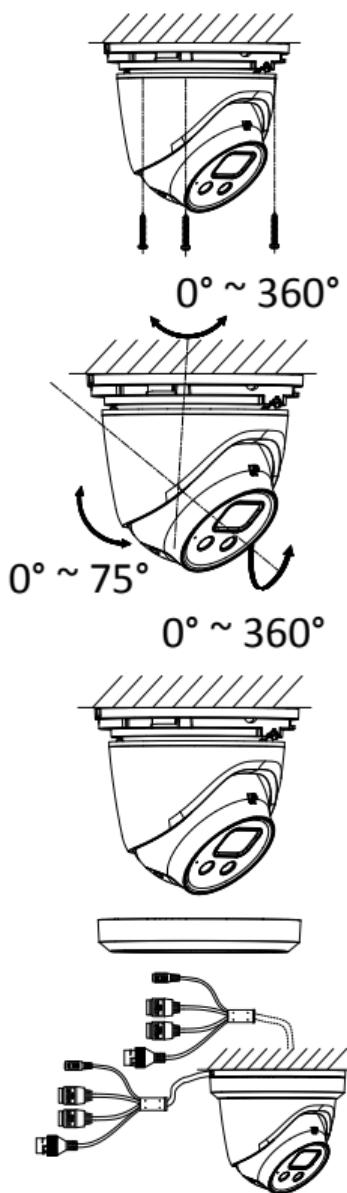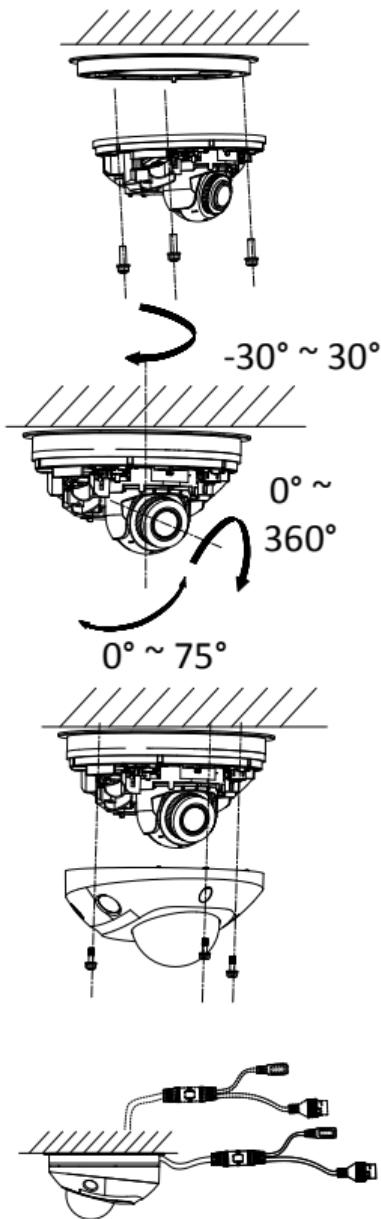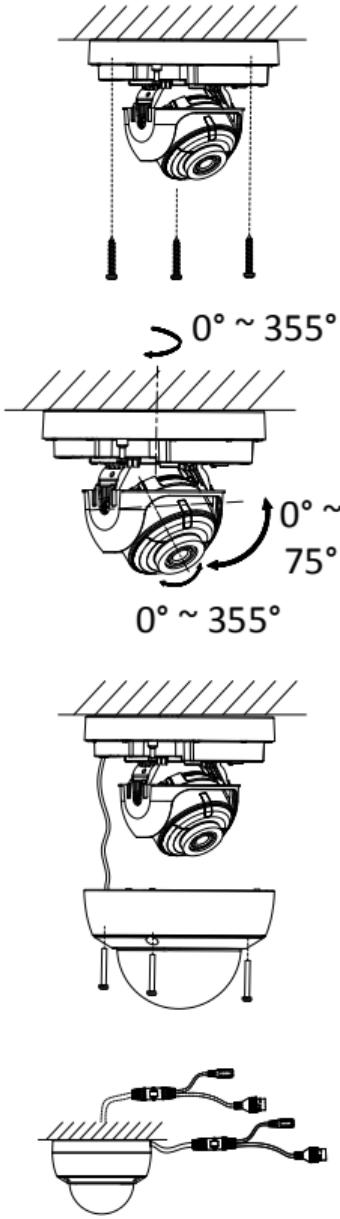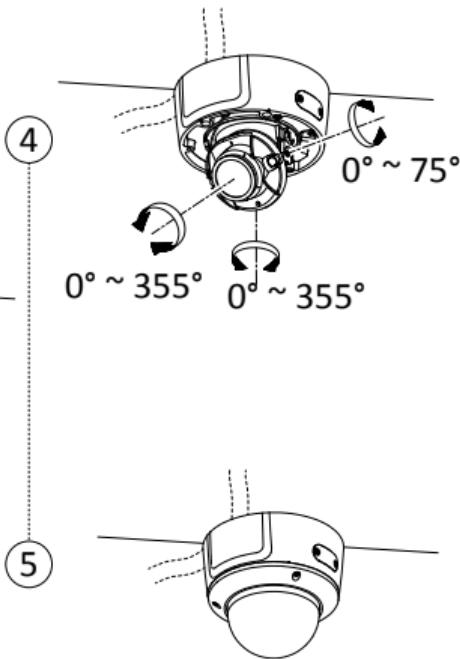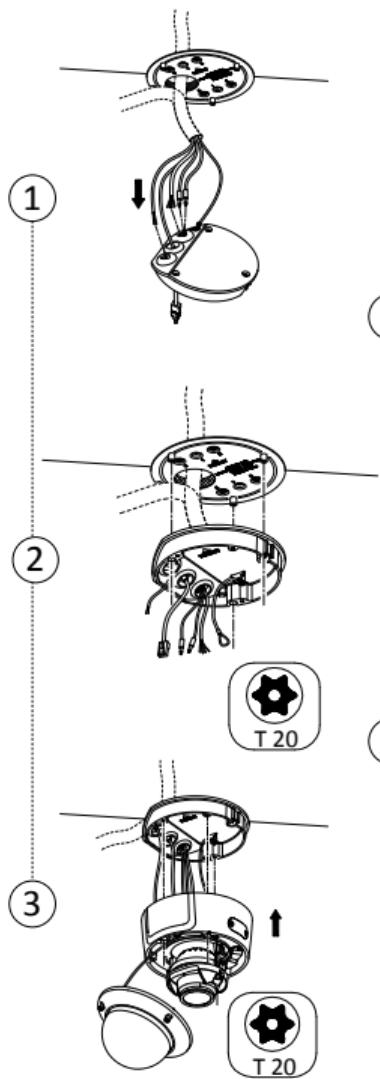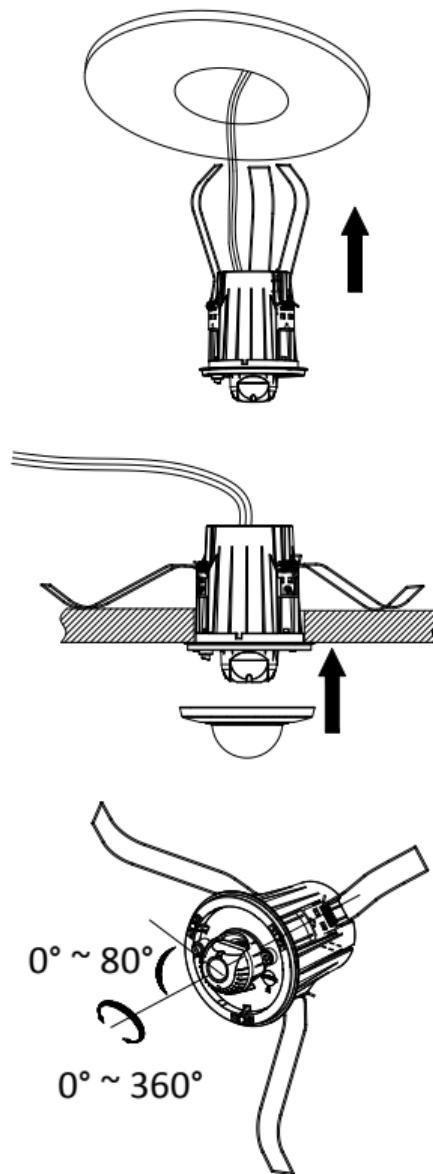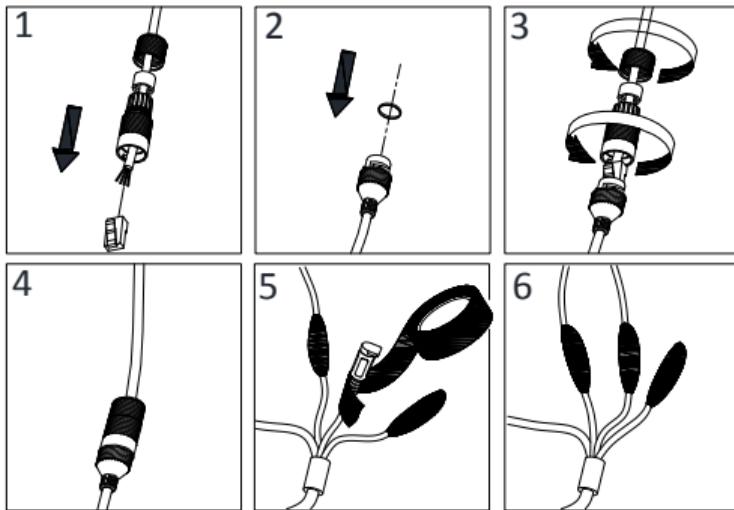
0° ~ 360°

Waterproof

Activate and Access Network Camera

| Interface	Description
LAN(PoE)	Network interface, PoE supported
DC12V, AC24V	Power input interface
MicroSD ⊡SD	MicroSD card slot Insert the MicroSD card for local storage
RESET	One-key reset button
AUDIO IN	Audio input interface
AUDIO OUT	Audio output interface
ALARM IN	Alarm input interface IN1 and GND1, IN2 and GND2 are two pairs of alarm inputs
ALARM OUT	Alarm output interface 1A and 1B, 2A and 2B, 3A and 3B are three pairs of alarm outputs
RS-485	D+ or D- connect to 485
DC12V, GND / DC 12V_OUT	Power output interface
BNC	BNC/CVBS interface
⏚	Grounding

Note: The interface varies with the models. Please refer to the product datasheet for details.

About this Manual
The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (https://www.hikvision.com). Please use this user manual under the guidance of professionals.
Trademarks

HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions. Other trademarks and logos mentioned below are the properties of their respective owners.
Other trademarks and logos mentioned are the properties of their respective owners.

HDMI : The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
Disclaimer
TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
YOU ACKNOWLEDGE THAT THE NATURE OF INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.
Regulatory Information
FCC Information
Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference

will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

* Wi-Fi device:
This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation

EU Conformity Statement

Industry Canada ICES-003 Compliance
This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.
* Wi-Fi device:
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or less) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.
This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

KC
Class B: This device is intended for mainly home use (Class B) and may be used in all areas.
B 급기기: 이 기기는 가정용(B 급) 전자파적합기기로써 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Safety Instruction
These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

Laws and Regulations
The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

Electricity
In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment. Provide a surge suppressor at the inlet opening of the equipment under special conditions such as the mountain top, iron tower, and forest. CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.

Battery
Do not ingest battery. Chemical burn hazard! This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it

away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention. CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types). Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas. + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.

Fire Prevention
No naked flame sources, such as lighted candles, should be placed on the equipment. The serial port of the equipment is used for debugging only.

Hot Surface Prevention

CAUTION: Hot parts! Burned fingers when handling the parts. Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

Installation
Install the equipment according to the instructions in this manual.

Power Supply
Device powered by Safety Extra-Low Voltage(SELV): The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard. Device powered by AC mains supply voltage: The equipment must be connected to an earthed mains socket-outlet. An appropriate readily accessible disconnect device shall be incorporated external to the equipment. An appropriate overcurrent protective device shall be

incorporated external to the equipment, not exceeding the specification of the building. An all-pole mains switch shall be incorporated in the electrical installation of the building. Ensure correct wiring of the terminals for connection to an AC mains supply. The equipment has been designed, when required, modified for connection to an IT power distribution system.

White Light Illuminator (If supported)
Possibly hazardous optical radiation emitted from this product. DO NOT stare at operating light source. May be harmful to the eyes. Wear appropriate eye protection or DO NOT turn on the white light when you assemble, install or maintain the camera.

Transportation
Keep the device in original or similar packaging while transporting it.

System Security
The installer and user are responsible for password and security configuration.

Maintenance
If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance. A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.

Cleaning
Please use a soft and dry cloth when clean inside and outside surfaces of the product cover. Do not use alkaline detergents.

Using Environment
DO NOT place the camera in extremely hot, cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.

Emergency
If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Time Synchronization
Set up device time manually for the first time access if the local time is not synchronized with that of the network. Visit the device via Web browse/client software and go to time settings interface.

Reflection
Make sure that no reflective surface is too close to the device lens. The IR light from the device may reflect back into the lens causing reflection.

Français

Déclaration de conformité UE

Ce produit et - le cas échéant - les accessoires fournis sont marqués « CE » et sont donc conformes aux normes européennes harmonisées applicables énumérées dans la directive CEM 2014/30/UE, la directive DBT 2014/35/UE, la directive RoHS 2011/65/UE, dispositif Wi-Fi : la directive RE 2014/53/UE

2012/19/UE (directive DEEE) : Dans l'Union européenne, les produits portant ce pictogramme ne doivent pas être déposés dans une décharge municipale où le tri des déchets n'est pas pratiqué. Pour un recyclage adéquat, remettez ce produit à votre revendeur lors de l'achat d'un nouvel équipement équivalent, ou déposez-les dans un lieu de collecte prévu à cet effet. Pour plus de précisions, rendez-vous sur : www.recyclethis.info

2006/66/CE (directive sur les batteries) : Ce produit renferme une batterie qui ne doit pas être déposée dans une décharge municipale où le tri des déchets n'est pas pratiqué, dans l'Union européenne. Pour plus de précisions sur la batterie, reportez-vous à sa documentation. La batterie porte le pictogramme ci-contre, qui peut inclure la mention Cd (cadmium), Pb (plomb) ou Hg (mercure). Pour la recycler correctement, renvoyez la batterie à votre revendeur ou déposez-la dans un point de collecte prévu à cet effet. Pour plus de précisions, rendez-vous sur : www.recyclethis.info

Consignes de sécurité
Ces consignes visent à s'assurer que l'utilisateur puisse utiliser le produit correctement afin d'éviter tout danger ou dommage matériel.

Lois et réglementations
L'appareil doit être utilisé conformément à la législation locale ainsi qu'aux réglementations en matière de sécurité électrique et de prévention des incendies.

Électricité
En utilisant le produit, vous devez respecter la réglementation relative à la sécurité électrique de votre pays ou région. L'équipement ne doit pas être exposé aux gouttes ou aux éclaboussures et aucun objet rempli de liquide, comme un vase, ne doit être placé sur l'équipement. Prévoyez un suppresseur de surtension à l'orifice d'entrée de l'équipement dans des conditions d'installation particulières p. ex. au sommet d'une montagne, d'une tour métallique et en forêt. ATTENTION : Pour réduire le risque d'incendie, remplacez-le uniquement par un fusible de même type et de même calibre.

Batterie
Ne pas ingérer pas la batterie. Risque de brûlure chimique ! Ce produit contient une pile bouton. Si la pile bouton est avalée, celle-ci peut provoquer de graves brûlures internes en seulement 2 heures et entraîner la mort. Conservez les piles neuves et usagées hors de la portée des enfants. Si le compartiment des piles ne peut pas être complètement refermé, cessez d'utiliser le produit et conservez-le hors de la portée des enfants. Si vous pensez que des piles ont été ingérées ou insérées à l'intérieur d'une partie du corps, consultez immédiatement un médecin. ATTENTION : Il y a un risque d'explosion lorsque la pile est remplacée par une pile de type incorrect. Éliminez les batteries usées conformément aux instructions. Le remplacement de la pile par une pile du mauvais type peut conduire à l'annulation d'une protection (par exemple, dans le cas de certains types de batteries au lithium). Ne jetez pas une batterie au feu ou dans un four chaud, ni ne broyez mécaniquement ou découpez une batterie, car cela pourrait engendrer une explosion. Ne laissez pas une batterie dans un environnement ambiant extrêmement chaud, car vous encourez un risque d'explosion ou une fuite de liquide ou de gaz inflammable. N'exposez pas une batterie à des pressions atmosphériques extrêmement basses, car vous encourez un risque d'explosion ou une fuite de liquide ou de gaz inflammable. Le symbole « + » identifie la (les) borne(s) positive(s) de l'équipement qui est utilisé avec, ou qui génère du courant continu. Le

symbole « - » identifie la (les) borne(s) négative(s) de l'équipement qui est utilisé avec, ou qui génère du courant continu.

Prévention des incendies
Aucune source de flamme nue, telle que des bougies allumées, ne doit être placée sur l'équipement. Le port série de l'équipement est utilisé uniquement à des fins de débogage.

Prévention des surfaces chaudes

ATTENTION : Composants chauds ! La manipulation des pièces risque de brûler les doigts. Attendez une demi-heure après l'arrêt de l'appareil avant de manipuler les pièces. Cet autocollant indique que l'élément marqué peut être chaud et qu'il doit être manipulé avec précaution. La présence de cet autocollant sur un appareil indique qu'il doit être installé dans une zone dont l'accès est restreint et réservé au personnel de service ou aux utilisateurs ayant été formés sur les raisons des restrictions appliquées à cette zone, et sur toutes les précautions à prendre.

Installation
Installez l'équipement conformément aux instructions de ce manuel. Afin d'éviter tout accident, cet appareil doit être correctement attaché au sol/mur conformément aux instructions d'installation. N'installez jamais l'équipement sur un support instable. L'équipement pourrait tomber, entraînant des blessures graves voire la mort.

Alimentation électrique
Dispositif alimenté par une très basse tension de sécurité (TBTS) : La source d'alimentation doit répondre aux exigences AE2 ou relatives à une source d'alimentation limitée conformément à la norme CEI 60950-1 ou CEI 62368-1. Dispositif alimenté par une alimentation secteur : L'équipement doit être connecté à une prise de courant reliée à la terre. Un dispositif de déconnexion approprié et facilement accessible doit être incorporé de manière externe à l'équipement. Un dispositif de protection contre les surintensités approprié doit être intégré en externe à l'équipement, sans dépasser les spécifications du bâtiment. Un interrupteur principal omnipolaire doit être intégré à l'installation électrique du bâtiment. Assurez-vous d'effectuer un câblage approprié des bornes pour un branchement à une alimentation secteur. L'équipement a été conçu, lorsque nécessaire, et modifié pour être connecté à un système à neutre impédant.

Éclairage à lumière blanche (lorsque cette fonction est prise en charge)
Ce produit est susceptible d'émettre des rayonnements optiques dangereux. NE regardez PAS la source lumineuse lorsqu'elle est allumée. Elle peut être nocive pour les yeux. Portez une protection oculaire adaptée ou N'allumez PAS la lumière blanche lorsque vous procédez à l'assemblage, à l'installation ou à l'entretien de la caméra.

Transport
Gardez l'appareil dans son emballage d'origine ou dans un emballage similaire lors de son transport.

Sécurité du système
Il incombe à l'installateur et à l'utilisateur de gérer la configuration des mots de passe et de la sécurité.

Maintenance

Si le produit ne fonctionne pas correctement, contactez votre revendeur ou le centre de service le plus proche. Nous n'assumerons aucune responsabilité concernant les problèmes causés par une réparation ou une opération de maintenance non autorisée. Certains composants de l'appareil (p. ex., condensateur électrolytique) doivent être remplacés régulièrement. Leur durée de vie moyenne est variable, c'est pourquoi des contrôles périodiques sont recommandés. Veuillez contacter votre distributeur pour plus d'informations.

Nettoyage
Utilisez un chiffon doux et sec pour nettoyer l'intérieur et l'extérieur du couvercle du produit. N'utilisez pas de détergent alcalin.

Environnement d'exploitation
Pendant l'utilisation de tout équipement générant un laser, veillez à ce que l'objectif de l'appareil ne soit pas exposé au faisceau laser, car il pourrait brûler. N'exposez PAS l'appareil à de puissants rayonnements électromagnétiques ou à des environnements poussiéreux. Appareil destiné à une utilisation en intérieur uniquement. Installez-le dans un endroit sec et bien aéré. N'orientez PAS l'objectif vers le soleil ou toute autre source de lumière vive. L'humidité tolérée

en fonctionnement doit être de 95 % ou moins (sans condensation). N'installez PAS la caméra dans des endroits extrêmement chauds ou froids, poussiéreux ou humides. La caméra ne doit pas être exposée à des radiations électromagnétiques élevées.

Urgence
Si de la fumée, des odeurs ou du bruit s'échappent de l'appareil, mettez immédiatement l'appareil hors tension et débranchez le câble d'alimentation, puis contactez un centre de réparation.

Synchronisation de l'heure
Si l'heure locale de l'appareil n'est pas synchronisée avec celle du réseau, configurez-la manuellement lors du premier accès. Accédez à l'appareil via un navigateur Web/le logiciel client, puis rendez-vous dans l'interface des réglages de l'heure.

Reflets
Assurez-vous qu'aucune surface réfléchissante ne se trouve à proximité de l'objectif de l'appareil. La lumière infrarouge de l'appareil peut se réfléchir dans l'objectif et entraîner des problèmes de réflexion.

Deutsch

EU-Konformitätserklärung

CE

Dieses Produkt und (gegebenenfalls) das mitgelieferte Zubehör tragen die „CE"-Kennzeichen und entsprechen den anwendbaren harmonisierten europäischen Normen, die in der EMV-Richtlinie 2014/30/EU, , der Niederspannungsrichtlinie 2014/35/EU und der RED-Richtlinie 2014/53/EU für WLAN-Geräte aufgeführt sind.

2012/19/EU (Elektroaltgeräte-Richtlinie): Produkte, die mit diesem Symbol gekennzeichnet sind, dürfen innerhalb der Europäischen Union nicht mit dem Hausmüll entsorgt werden. Für korrektes Recycling geben Sie dieses Produkt an Ihren örtlichen Fachhändler zurück oder entsorgen Sie es an einer der Sammelstellen. Für weitere Informationen siehe: www.recyclethis.info

2006/66/EC (Batterierichtlinie): Dieses Produkt enthält eine Batterie, die innerhalb der Europäischen Union nicht mit dem Hausmüll entsorgt werden darf. Siehe Produktdokumentation für spezifische Hinweise zu Batterien. Die Batterie ist mit diesem Symbol gekennzeichnet, das zusätzlich die Buchstaben Cd für Cadmium, Pb für Blei oder Hg für Quecksilber enthalten kann. Für korrektes Recycling geben Sie die Batterie an Ihren örtlichen Fachhändler zurück oder entsorgen Sie sie an einer der Sammelstellen. Für weitere Informationen siehe: www.recyclethis.info

Sicherheitshinweis
Diese Hinweise sollen sicherstellen, dass der Benutzer das Produkt korrekt benutzen kann, um Gefahren oder Vermögensschäden zu vermeiden.

Gesetze und Vorschriften
Das Gerät muss in Übereinstimmung mit lokalen Gesetzen, Vorschriften zur elektrischen Sicherheit und Brandschutzvorschriften verwendet werden.

Elektrizität
Bei der Verwendung des Produkts müssen die elektrischen Sicherheitsbestimmungen des Landes oder der Region strikt eingehalten werden. Das Gerät vor tropfenden oder spritzenden Flüssigkeiten schützen. Auf dem Gerät dürfen keine mit Flüssigkeit gefüllten Objekte, wie z. B. Vasen, abgestellt werden. Sorgen Sie für einen Überspannungsschutz an der Eingängen der Anlage bei besonderen Umgebungsbedingungen wie Berggipfel, Metallturm und Wald. ACHTUNG: Um die Feuergefahr zu verringern, ersetzen Sie Sicherungen nur durch Sicherungen des gleichen Typs und der gleichen Leistung.

Akku
Verschlucken Sie niemals die Batterie. Verätzungsgefahr! Dieses Produkt enthält eine Knopfzellenbatterie. Wenn die Knopfzellenbatterie verschluckt wird, kann dies innerhalb von 2 Stunden zu schweren inneren Verätzungen und Tod führen. Halten Sie neue und gebrauchte Batterien von Kindern fern. Wenn das Batteriefach nicht sicher schließt, beenden Sie den Gebrauch des Produkts und halten Sie es von Kindern fern. Suchen Sie umgehend ärztliche Hilfe auf, wenn Sie vermuten, dass Batterien verschluckt oder in Körperöffnungen eingeführt wurden. ACHTUNG: Bei Austausch der Batterie durch einen falschen Typ besteht Explosionsgefahr. Entsorgen Sie verbrauchte Batterien entsprechend der Anleitung. Unsachgemäßer Austausch der Batterien durch einen falschen Typ kann eine Schutzvorrichtung umgehen (z. B. bei einigen Lithium-Batterietypen). Batterien nicht durch Verbrennen, in einem heißen Ofen oder Zerkleinern oder Zerschneiden entsorgen. Das kann zu einer Explosion führen.

Bewahren Sie Batterien nicht in einer Umgebung mit extrem hoher Temperatur auf. Das kann zu einer Explosion oder zum Auslaufen von entflammbarer Flüssigkeit oder Gas führen. Setzen Sie Batterien keinem extrem niedrigen Luftdruck aus. Das kann zu einer Explosion oder zum Auslaufen von entflammbarer Flüssigkeit oder Gas führen. + kennzeichnet der/die Pluspol(e) von Geräten, die mit Gleichstrom betrieben werden oder Gleichstrom erzeugen. − kennzeichnet der/die Minuspol(e) von Geräten, die mit Gleichstrom betrieben werden oder Gleichstrom erzeugen.

Brandschutz
Stellen Sie keine offenen Flammen (wie brennende Kerzen) auf dem Gerät ab. Die serielle Schnittstelle des Geräts wird nur zur Fehlersuche verwendet.

Heiße Oberflächen

ACHTUNG: Heiße Teile! Sie können sich bei Berührung der Teile Verbrennungen zuziehen. Warten Sie nach dem Ausschalten eine halbe Stunde, bevor Sie Teile anfassen. Dieser Aufkleber weist darauf hin, dass der markierte Gegenstand heiß sein kann und nur vorsichtig angefasst werden darf. Ein Gerät mit diesem Aufkleber ist für die Installation an einem Ort mit beschränktem Zugang bestimmt, der nur von Servicepersonal oder von Benutzern betreten werden kann, die über die Gründe für die Zugangsbeschränkungen und über die zu treffenden Vorsichtsmaßnahmen informiert wurden.

Installation
Installieren Sie das Gerät gemäß den Anweisungen in diesem Handbuch. Um Verletzungen zu vermeiden, muss dieses Gerät gemäß den Installationsanweisungen sicher an Boden/an der Wand montiert werden. Stellen Sie das Gerät niemals an einem instabilen Ort auf. Es könnte umfallen und schwere oder sogar tödliche Verletzungen verursachen.

Spannungsversorgung
Über Schutzkleinspannung versorgtes Gerät: Die Stromquelle muss die Anforderungen an eine Stromquelle mit begrenzter Leistung der PS2 gemäß der Norm IEC 60950-1 oder IEC 62368-1 erfüllen. Über Netzspannung versorgtes Gerät: Das Gerät muss an eine geerdete Netzsteckdose angeschlossen werden. Eine leicht zugängliche Trennvorrichtung muss außerhalb des Geräts vorhanden sein. Eine Überstrom-Schutzeinrichtung muss außerhalb des Geräts integriert werden und darf die baulichen technischen Daten nicht überschreiten. Ein allpoliger Netzschalter muss in die Elektroinstallation des Gebäudes integriert werden. Achten Sie auf die korrekte Verkabelung der Klemmen für den Anschluss an ein Wechselstromnetz. Das Gerät wurde, falls erforderlich, für den Anschluss an ein IT-Stromverteilungssystem angepasst.

Weißlichtbeleuchtung (falls unterstützt)
Es wird möglicherweise gefährliche optische Strahlung von diesem Produkt emittiert. Schauen Sie während des Betriebs NICHT in die Lichtquelle. Das kann schädlich für die Augen sein. Tragen Sie einen geeigneten Augenschutz oder schalten Sie das weiße Licht NICHT an, wenn Sie die Kamera montieren, installieren oder warten.

Transportwesen
Bewahren Sie das Gerät beim Transport in der ursprünglichen oder einer vergleichbaren Verpackung auf.

Systemsicherheit
Installateur und Benutzer sind für Passwort- und Sicherheitskonfiguration verantwortlich.

Instandhaltung
Falls das Produkt nicht einwandfrei funktionieren sollte, wenden Sie sich an Ihren Händler oder den nächstgelegenen Kundendienst. Wir übernehmen keine Haftung für Probleme, die durch nicht Reparatur- oder Instandhaltungsarbeiten von nicht autorisierten Dritten verursacht werden. Einige Gerätekomponenten (z. B. Elektrolytkondensator) müssen regelmäßig ausgetauscht werden. Die durchschnittliche Lebensdauer variiert, weshalb eine regelmäßige Prüfung empfohlen wird. Einzelheiten erfahren Sie von Ihrem Händler.

Reinigung
Benutzen Sie bitte ein weiches, trockenes Tuch, um die Innen- und Außenflächen der Produktabdeckung zu reinigen. Verwenden Sie keine alkalischen Reinigungsmittel.

Einsatzumgebung
Achten Sie bei Verwendung eines Lasergeräts darauf, dass das Objektiv des Geräts nicht dem Laserstrahl ausgesetzt wird. Andernfalls könnte es durchbrennen. Setzen Sie das Gerät KEINER hohen elektromagnetischen Strahlung oder staubigen Umgebungen aus. Stellen Sie den Gerät, das nur für den Innenbereich bestimmt sind, an einem kühlen und gut belüfteten Ort auf. Richten Sie das Objektiv NICHT auf die Sonne oder andere helle Lichtquellen. Achten Sie darauf, dass die Betriebsumgebung den Anforderungen des Geräts entspricht. Setzen Sie die Kamera KEINER staubigen oder feuchten Umgebung oder keiner Umgebung aus, in der extrem hohe oder niedrige Temperaturen oder hohe elektromagnetische Strahlung herrschen.

Notruf
Sollten sich Rauch, Gerüche oder Geräusche in dem Gerät entwickeln, so schalten Sie es unverzüglich aus und ziehen Sie den Netzstecker; wenden Sie sich dann an den Kundendienst.

Zeitsynchronisation
Stellen Sie die Gerätezeit beim erstmaligen Gebrauch manuell ein, wenn die lokale Zeit nicht mit der des Netzwerks synchronisiert ist. Rufen Sie das Gerät über den Webbrowser/die Client-Software auf und navigieren Sie zur Oberfläche für Zeiteinstellungen.

Reflektion
Stellen Sie sicher, dass sich keine reflektierende Oberfläche zu nahe am Geräteobjektiv befindet. Das IR-Licht des Geräts kann in das Objektiv reflektiert werden.

Declaración de conformidad de la UE

CE

Este producto y los accesorios incluidos —si procede— tienen la marca «CE» y, por lo tanto, cumplen con las normativas europeas armonizadas aplicables recogidas en la Directiva 2014/30/UE en materia de compatibilidad electromagnética, la Directiva 2014/35/UE en materia de comercialización de material eléctrico destinado a utilizarse con determinados límites de tensión, la Directiva 2011/65/UE sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos y la Directiva Wi-Fi 2014/53/UE sobre la comercialización de equipos radioeléctricos.

2012/19/UE (directiva RAEE, residuos de aparatos eléctricos y electromagnéticos): En la Unión Europea, los productos marcados con este símbolo no pueden ser desechados con el sistema de basura municipal sin recogida selectiva. Para un reciclaje adecuado, entregue este producto en el lugar de compra del equipo nuevo equivalente o deshágase de él en el punto de recogida designado a tal efecto. Para más información vea la página web:
www.recyclethis.info

2006/66/CE (directiva sobre baterías): Este producto lleva una batería que no puede ser desechada en el sistema municipal de basuras sin recogida selectiva dentro de la Unión Europea. Consulte la documentación del producto para ver la información específica de la batería. La batería lleva marcado este símbolo, que incluye unas letras indicando si contiene cadmio (Cd), plomo (Pb), o mercurio (Hg). Para un reciclaje adecuado, entregue la batería a su vendedor o llévela al punto de recogida de basuras designado a tal efecto. Para más información vea la página web:
www.recyclethis.info

Instrucciones de seguridad

Estas instrucciones están previstas para asegurar que el usuario pueda utilizar el producto correctamente y evitar riesgos y daños materiales.

Leyes y normativas

El dispositivo debe ser utilizado cumpliendo con la legislación local y las normativas de seguridad eléctrica y prevención de incendios.

Electricidad

Para usar el producto debe cumplir estrictamente con la normativa de seguridad eléctrica de su país y región. No se expondrá el equipo a goteos ni salpicaduras ni se colocarán sobre él objetos llenos de líquidos, como jarrones. En ubicaciones especiales, como en la cima de una montaña, en una torre de hierro y en un bosque, instale un supresor de sobretensiones en la abertura de entrada del equipo. PRECAUCIÓN: Para reducir el riesgo de incendio, reemplace el fusible por otro del mismo tipo y clasificación.

Batería

No se trague la pila. ¡Existe riesgo de quemaduras químicas! Este producto incorpora una pila de

botón. Si se traga la pila de botón, podría sufrir quemaduras internas de importancia en solo 2 horas que podrían ocasionar la muerte. Mantenga las baterías nuevas y usadas fuera del alcance de los niños. Si el compartimento de la batería no cierra debidamente, deje de usar el producto y manténgalo fuera del alcance de los niños. Si sospecha que una batería ha sido tragada o introducida en alguna parte del cuerpo, busque atención médica de inmediato. PRECAUCIÓN: Riesgo de explosión si se reemplaza la batería por otra de tipo incorrecto. Deshágase de las baterías usadas conforme a las instrucciones. Una sustitución inadecuada de la batería por otra de tipo incorrecto podría inhabilitar alguna medida de protección (por ejemplo, en el caso de algunas baterías de litio). No arroje la batería al fuego ni la meta en un horno caliente, ni intente aplastar o cortar mecánicamente la batería, ya que podría explotar. No deje la batería en lugares con temperaturas extremadamente altas, ya que podría explotar o tener fugas de líquido electrolítico o gas inflamable. No permita que la batería quede expuesta a una presión de aire extremadamente baja, ya que podría explotar o tener fugas de líquido electrolítico o gas inflamable. + identifica los terminales positivos de los equipos que se utilizan con corriente continua o que la generan. + identifica los terminales negativos de los equipos que se utilizan con corriente continua o que la generan.

Prevención de incendios

No coloque llamas abiertas, como velas encendidas, sobre el equipo. El puerto serie del equipo se utiliza únicamente con fines de depuración.

Prevención de superficie caliente

WARNING HOT SURFACE DO NOT TOUCH

PRECAUCIÓN: ¡Elementos calientes! Los dedos se pueden quemar al manipular esas partes. Espere media hora después de apagar el equipo para tocar las partes. Esta pegatina está para indicar que el elemento marcado puede estar caliente y no debe tocarse sin tener cuidado. Los dispositivos con este adhesivo se deben instalar en una ubicación de acceso restringido, solo accesible al personal técnico o a usuarios que hayan sido informados sobre los motivos de las restricciones aplicadas a dicha ubicación y de las precauciones a tomar.

Instalación

Instale el equipo de acuerdo con las instrucciones de este manual. Para evitar lesiones, este equipo debe estar firmemente sujeto al suelo/pared de acuerdo con las instrucciones de instalación. No coloque nunca el equipo en una ubicación inestable. El equipo podría caer y provocar graves lesiones o la muerte.

Alimentación eléctrica

Dispositivo alimentado mediante tensión extrabaja de seguridad (SELV, por sus siglas en inglés): La fuente de alimentación debe cumplir con los requisitos de fuente de alimentación limitada o PS2 conforme a las normas IEC 60950-1 o IEC 62368-1. Dispositivo alimentado mediante tensión de alimentación de la red eléctrica de CA: El equipo debe estar conectado a una toma de

corriente con conexión a tierra. Es necesario incorporar al equipo un dispositivo adecuado de desconexión externo de fácil acceso. Es necesario incorporar al equipo un dispositivo adecuado de protección de sobrecorriente externo que no exceda la especificación del edificio. Es necesario instalar un interruptor de corte omnipolar en la instalación eléctrica del edificio. Asegúrese de que el cableado de los terminales para la conexión a una fuente de alimentación de CA sea correcto. El equipo ha sido diseñado, cuando es necesario, con modificaciones para conectarlo a un sistema de distribución de alimentación eléctrica para equipos informáticos.

Iluminador de luz blanca (si es compatible) Este equipo podría emitir radiación óptica peligrosa. NO mire directamente a la fuente de luz en funcionamiento. Podría dañar sus ojos. Use la protección ocular adecuada o NO encienda la luz blanca cuando monte, instale o realice mantenimientos en la cámara.

Transporte
Guarde el dispositivo en su paquete original o en uno similar cuando lo transporte.

Seguridad del sistema
El instalador y el usuario son los responsables de la contraseña y de la configuración de seguridad.

Mantenimiento
Si el producto no funciona correctamente, por favor, póngase en contacto con su distribuidor o con el centro de servicio técnico más próximo. No nos haremos responsables de los problemas derivados de una reparación o mantenimiento no autorizados. Algunos componentes del dispositivo (p. e. el capacitor electrolítico) necesita una sustitución periódica. La vida útil promedio puede variar, por lo que se recomienda una revisión

periódica. Contacte con su vendedor para más detalles.

Limpieza
Por favor, utilice un paño suave y seco para limpiar las superficies interiores y exteriores de la tapa del producto. No utilice detergentes alcalinos.

Entorno de uso
Cuando utilice equipos láser, asegúrese de que el objetivo del dispositivo no quede expuesto al rayo láser ya que podría quemarse. NO exponga el dispositivo a radiaciones electromagnéticas o entornos polvorientos.   Para dispositivo de interior, ubíquelo en un entorno seco y con buena ventilación. NO apunte el objetivo al sol ni a luces brillantes.   Compruebe que el entorno de uso se adapte a los requisitos del dispositivo. No coloque la cámara en lugares extremadamente calientes, fríos, polvorientos o húmedos, ni la deje expuesta a radiaciones electromagnéticas intensas.

Emergencia
Si hay presencia de humo, olores o ruidos procedentes del dispositivo, apague la alimentación inmediatamente, desenchufe el cable de alimentación y contacte con el servicio técnico.

Sincronización de hora
En el caso de que la hora local no esté sincronizada con la hora de la red, ajuste la hora manualmente la primera vez que acceda. Acceda al dispositivo usando el navegador web/software cliente y entre en la interfaz de ajuste de la hora.

Reflexión
Asegúrese de que ninguna superficie reflectante esté demasiado cerca de la lente del dispositivo. La luz IR del dispositivo puede reflejarse y regresar a la lente originando la reflexión.

Italiano

Dichiarazione di conformità UE

CE

Questo prodotto e, laddove la misura sia applicabile, anche gli accessori forniti sono contrassegnati con il marchio "CE" e sono quindi conformi agli standard europei armonizzati applicabili elencati nelle direttive EMC 2014/30/UE (compatibilità elettromagnetica), LVD 2014/35/UE (bassa tensione), RoHS 2011/65/UE (restrizioni dell'uso di sostanze pericolose nelle apparecchiature elettriche ed elettroniche); per il dispositivo Wi-Fi si veda la direttiva RE 2014/53/UE (armonizzazione delle legislazioni degli Stati membri relative alla messa a disposizione sul mercato di apparecchiature radio)

2012/19/UE (Direttiva RAEE): i prodotti contrassegnati con il presente simbolo non possono essere smaltiti come rifiuti domestici nell'Unione europea. Per lo smaltimento corretto, restituire il prodotto al rivenditore in occasione dell'acquisto di un nuovo dispositivo o smaltirlo nei punti di raccolta autorizzati. Per ulteriori informazioni, visitare: www.recyclethis.info

2006/66/CE (Direttiva batterie): questo prodotto contiene una batteria e non è possibile smaltirlo con i rifiuti domestici indifferenziati nell'Unione europea. Fare riferimento alla documentazione del prodotto per le informazioni specifiche sulla batteria. La batteria è contrassegnata con il presente simbolo, che potrebbe includere le sigle di cadmio (Cd), piombo (Pb) o mercurio (Hg). Per lo smaltimento corretto, restituire la batteria al rivenditore locale o smaltirla nei punti di raccolta autorizzati. Per ulteriori informazioni, visitare: www.recyclethis.info

Istruzioni per la sicurezza
Le presenti istruzioni hanno lo scopo di garantire che l'utente utilizzi il prodotto in modo corretto, evitando situazioni di pericolo o danni materiali.

Leggi e regolamenti
Il dispositivo deve essere utilizzato rispettando le leggi locali, le norme sulla sicurezza elettrica e le norme sulla prevenzione degli incendi.

Elettricità
Durante l'uso del prodotto è indispensabile rispettare rigorosamente le normative nazionali e locali sulla sicurezza elettrica. L'attrezzatura non deve essere esposta a schizzi o gocciolamenti di liquidi; allo stesso modo, non si devono poggiare sull'attrezzatura oggetti contenenti liquidi, ad

15

esempio vasi. Predisporre un soppressore di sovratensione all'apertura di ingresso dell'attrezzatura in condizioni particolari come vette di montagne, tralicci metallici o foreste. ATTENZIONE: per ridurre il rischio di incendi, sostituire i fusibili solo con altri dello stesso tipo e dello stesso valore nominale.

Batteria
Non ingerire le batterie. Rischio di ustioni chimiche! Questo prodotto contiene una batteria a bottone. Se ingerita, la batteria a bottone può causare gravi ustioni interne in sole 2 ore e portare anche alla morte. tenere le batterie nuove e quelle usate lontano dalla portata dei bambini. se il vano batteria non si chiude bene, interrompere l'uso del prodotto e tenerlo lontano dai bambini. Se si pensa che una batteria possa essere stata ingerita o possa essere penetrata in qualsiasi parte del corpo, rivolgersi immediatamente a un medico. ATTENZIONE: esiste il rischio di esplosione se la batteria viene sostituita con una di tipo non corretto. Smaltire le batterie usate nel rispetto delle istruzioni. La sostituzione della batteria con una di tipo non idoneo può impedire il corretto funzionamento dei sistemi di sicurezza (ad esempio con alcuni tipi di batterie al litio). Non gettare le batterie nel fuoco o in un forno caldo ed evitare di schiacciarle o tagliarle, per prevenire il rischio di esplosioni. Le batterie esposte a temperature ambientali eccessive possono esplodere o subire perdite di liquidi o gas infiammabili. Le batterie sottoposte a una pressione atmosferica estremamente bassa possono esplodere o subire perdite di liquidi o gas infiammabili. + indica il terminale positivo dell'attrezzatura che ne fa uso o che genera la corrente diretta. - indica il terminale negativo dell'attrezzatura che ne fa uso o che genera la corrente diretta.

Prevenzione degli incendi
Non collocare sull'attrezzatura sorgenti di fiamme libere, quali candele accese. La porta seriale del dispositivo serve solo per attività di debugging.

Prevenzione dei rischi da superfici calde

WARNING
HOT SURFACE
DO NOT TOUCH

ATTENZIONE: elementi caldi! Rischio di ustioni alle dita maneggiando questi elementi. Attendere mezz'ora dopo lo spegnimento dell'attrezzatura prima di toccare questi elementi. Questo adesivo indica che l'elemento contrassegnato può essere caldo e non deve essere toccato senza prestare la dovuta attenzione. I dispositivi con questo adesivo devono essere installati in aree ad accesso limitato, consentito ai soli personale di servizio o agli utenti che hanno ricevuto istruzioni sulle restrizioni applicate al locale e sulle precauzioni da adottare.

Installazione
Installare l'attrezzatura seguendo le istruzioni del presente manuale. Per evitare il rischio di lesioni personali, questa attrezzatura dove essere saldamente fissata alla parete o al pavimento, come indicato nelle istruzioni di installazione. Non collocare mai l'attrezzatura in una posizione instabile. L'attrezzatura potrebbe cadere, causando lesioni personali gravi e anche mortali.

Alimentazione
Dispositivo alimentato a bassissima tensione di sicurezza (SELV): La fonte di alimentazione deve soddisfare i requisiti previsti per le fonti di alimentazione limitate o PS2 in conformità alle norme IEC 60950-1 o IEC 62368-1. Dispositivo alimentato alla tensione di rete: L'attrezzatura deve essere collegata a una presa di corrente dotata di messa a terra. Un dispositivo di disconnessione appropriato e facilmente accessibile deve essere incorporato all'esterno dell'apparecchiatura. Un adeguato dispositivo di protezione dalle sovracorrenti deve essere incorporato all'esterno dell'apparecchiatura e non deve eccedere le specifiche richieste dall'edificio in cui è situato. L'impianto elettrico dell'edificio deve essere dotato di interruttore onnipolare. Verificare il corretto cablaggio dei terminali prima di collegare l'alimentazione CA. L'attrezzatura è stata progettata per poter essere modificata, in caso di necessità, per il collegamento a un sistema di alimentazione elettrica IT.

Illuminatore a luce bianca (se supportato)
Questo prodotto emette radiazioni ottiche potenzialmente pericolose. NON tenere lo sguardo fisso sulla sorgente luminosa mentre è accesa. Può essere dannosa per gli occhi. Indossare un'adeguata protezione degli occhi o NON accendere la luce bianca durante il montaggio, l'installazione o la manutenzione della telecamera.

Trasporto
Per trasportare il dispositivo, riporlo nella confezione originale o in una analoga.

Sicurezza del sistema
L'installatore o l'utente sono responsabili per la password e le configurazioni di sicurezza.

Manutenzione
Se il prodotto non funziona correttamente, rivolgersi al rivenditore o al centro di assistenza più vicino. Decliniamo qualsiasi responsabilità in relazione a problemi causati da interventi di riparazione o manutenzione non autorizzati. Alcuni componenti (ad esempio, il condensatore elettrolitico) devono essere sostituiti periodicamente. La durata media di questi elementi è variabile, quindi devono essere controllati regolarmente. Contattare il rivenditore per i dettagli.

Pulizia
Per pulire le superfici interne e esterne del coperchio del prodotto, utilizzare un panno morbido e asciutto. Non utilizzare detergenti alcalini.

Ambiente di utilizzo
Quando si utilizzano apparecchiature laser, non esporre l'obiettivo del dispositivo al raggio laser, che potrebbe bruciarlo. NON esporre il dispositivo a radiazioni elettromagnetiche intense o ad ambienti polverosi.   Per i dispositivi per utilizzo solo al chiuso: collocare il dispositivo in un ambiente asciutto e ben ventilato. NON orientare l'obiettivo verso il sole o altre luci intense. Verificare che l'ambiente di utilizzo soddisfi i requisiti del dispositivo. NON collocare la telecamera in luoghi a temperatura troppo alta o bassa né in ambienti umidi o polverosi e non esporla a radiazioni elettromagnetiche intense.

Emergenza
Se il dispositivo emette fumo, odori o rumori, spegnerlo immediatamente e scollegare il cavo di alimentazione, quindi rivolgersi a un centro di assistenza.

Sincronizzazione dell'ora
Impostare l'ora perché manualmente per il primo accesso se l'ora locale non è sincronizzata con quella della rete. Accedere al dispositivo tramite un browser o il software client e passare

all'interfaccia delle impostazioni dell'ora.
Riflesso
Assicurarsi che non ci sia alcuna superficie riflettente molto vicina all'obiettivo del dispositivo.

La luce a infrarossi del dispositivo può riflettersi e tornare indietro nell'obiettivo provocando riflessi.

Português

Declaração de conformidade da UE

Este produto e, se aplicável, os acessórios fornecidos com o mesmo, têm a marcação "CE" e estão, por isso, em conformidade com os padrões europeus aplicáveis, indicados na Diretiva EMC 2014/30/UE, na Diretiva LVD 2014/35/UE, na Diretiva RSP 2011/65/UE, dispositivo Wi-Fi: a Diretiva ER 2014/53/UE

2012/19/UE (Diretiva REEE): Os produtos com este símbolo não podem ser eliminados como resíduos urbanos indiferenciados na União Europeia. Para uma reciclagem adequada, devolva este produto ao seu fornecedor

local quando adquirir um novo equipamento equivalente ou elimine-o através dos pontos de recolha adequados. Para obter mais informações consulte: www.recyclethis.info

2006/66/CE (diretiva relativa a baterias): Este produto contém uma bateria que não pode ser eliminada como resíduo urbano indiferenciado na União Europeia. Consulte a documentação do produto para

obter informações específicas acerca da bateria. A bateria está marcada com este símbolo, que poderá incluir inscrições para indicar a presença de cádmio (Cd), chumbo (Pb), ou mercúrio (Hg). Para reciclar o produto de forma adequada, devolva a bateria ao seu fornecedor ou coloque-a num ponto de recolha apropriado. Para obter mais informações consulte: www.recyclethis.info

Instruções de segurança
Estas instruções servem para assegurar que o utilizador utilize o produto corretamente, de modo a evitar perigos e perda de propriedade.
Legislação e regulamentos
O dispositivo deve ser utilizado em conformidade com as leis, regulamentos de segurança elétrica e regulamentos de prevenção de incêndios locais.
Eletricidade
Durante a utilização do produto, o utilizador tem de estar em estrita conformidade com as normas de segurança elétrica do país e região. O equipamento não deverá ser exposto a derrames ou salpicos de líquidos e nenhum objeto que contenha líquidos, como vasos, deverá ser colocado sobre o equipamento. Providencie um supressor de picos na abertura da entrada do equipamento em condições especiais, como no cimo de uma montanha, numa torre de ferro ou na floresta. ADVERTÊNCIA: Para reduzir o risco de incêndio, o fusível deve ser substituído apenas por outro do mesmo tipo e com a mesma potência.
Bateria
Não ingira a pilha. Perigo de queimadura causada por produtos químicos! Este produto contém uma pilha celular tipo botão. Se a pilha celular tipo

botão for engolida, pode causar queimaduras internas graves em apenas 2 horas e pode provocar a morte. Mantenha as pilhas novas e usadas longe do alcance das crianças. Se o compartimento da pilha não fechar de forma segura, suspenda a utilização do produto e mantenha-o longe do alcance das crianças. Se achar que as pilhas foram engolidas ou colocadas no interior do organismo, consulte um médico de imediato. ADVERTÊNCIA: Existe risco de explosão se a bateria for substituída por outra de tipo incorreto. elimine as pilhas usadas de acordo com as instruções. A substituição incorreta da bateria por outra de tipo incorreto pode destruir uma proteção (por exemplo, no caso de alguns tipos de bateria de lítio). Não proceda à eliminação da bateria numa fogueira ou forno quente, ou mediante esmagamento ou corte mecânico da mesma pois tal pode resultar numa explosão. Não deixe a bateria num ambiente com temperaturas extremamente elevadas pois tal pode resultar numa explosão ou na fuga de líquido inflamável ou gás. Não sujeite a bateria a pressão de ar extremamente baixa pois tal poderá resultar numa explosão de líquido inflamável ou gás. + identifica o terminal positivo do equipamento com o qual é utilizada ou gera corrente direta. - identifica o terminal negativo do equipamento com o qual é utilizada ou gera corrente direta.
Prevenção de incêndios
Não deverão ser colocadas fontes de chama livre, como velas acesas, sobre o equipamento. A porta de série do equipamento é utilizada apenas para a depuração.
Prevenção de superfícies quentes

ADVERTÊNCIA: Peças quentes! Queimadura dos dedos resultante do manuseamento das peças. Desligue o

equipamento, aguarde trinta minutos e só então deverá manusear as peças. Este autoclante indica que o elemento assinalado pode estar quente, pelo que não lhe deve tocar sem a devida precaução. Os dispositivos com este autoclante devem ser instalados num local com acesso restrito. Apenas poderão ter acesso a esses dispositivos funcionários e utilizadores que tenham sido instruídos relativamente aos motivos pelos quais essas restrições de localização têm de ser aplicadas e que tenham sido alertados sobre que cuidados deverão adotar.
Instalação
Instale o equipamento de acordo com as instruções constantes deste manual. Para evitar ferimentos, este equipamento deve ser fixo corretamente ao chão/parede em conformidade com as instruções de instalação. Nunca coloque o equipamento num local instável. O equipamento pode cair e causar lesões corporais graves ou morte.
Alimentação elétrica
Dispositivo alimentado por circuito de tensão extrema inferior de segurança (SELV): A fonte de

17

alimentação deve cumprir com os requisitos da fonte de alimentação limitada ou da PS2 (fonte de alimentação de classe 2) de acordo com a norma IEC 60950-1 ou IEC 62368-1.
Dispositivo alimentado por tensão CA da rede: O equipamento deve ser ligado a uma tomada da rede elétrica com terra. Será incorporado externamente ao equipamento um dispositivo adequado para o desligar facilmente. Será incorporado externamente ao equipamento um dispositivo de proteção de sobretensão adequado e que respeita as especificações do edifício. A instalação elétrica do edifício deve estar equipada com um interruptor geral. Certifique-se de que a cablagem dos terminais foi efetuada corretamente para a ligação a uma fonte de alimenta CA. O equipamento foi concebido para ser modificado para a ligação a um sistema de distribuição de energia IT.

Iluminador de luz branca (se compatível)
Este produto emite radiação ótica possivelmente perigosa. NÃO fixe o olhar na fonte de luz em funcionamento. Pode ser prejudicial aos olhos. Use proteção ocular adequada ou NÃO ligue a luz branca ao montar, instalar ou proceder à manutenção da câmara.

Transporte
Mantenha o dispositivo na embalagem original ou similar, quando o transportar.

Segurança do sistema
O instalador e o utilizador são responsáveis pela configuração de segurança e palavra-passe.

Manutenção
Se o produto não funcionar corretamente, contacte o seu fornecedor ou o seu centro de serviços local. Não assumimos qualquer responsabilidade por problemas causados por reparações ou manutenções não autorizadas. Alguns componentes do dispositivo (por exemplo, capacitor eletrolítico) necessita de substituição regular. A duração média varia, portanto,

recomenda-se verificação periódica. Entre em contacto com o respetivo revendedor para obter detalhes.

Limpeza
Utilize um pano seco e suave para limpar as superfícies interiores e exteriores da cobertura do produto. Não utilize detergentes alcalinos.

Ambiente da utilização
Quando utilizar a utilizar qualquer equipamento a laser, verifique se a lente do dispositivo não se encontra exposta ao feixe de laser, caso contrário pode queimar. NÃO exponha o dispositivo a radiação eletromagnética elevada nem a ambientes com pó.   Os dispositivos exclusivamente para espaços interiores devem ser colocados num ambiente seco e bem ventilado. NÃO direcione a lente para o sol nem para qualquer outra luz brilhante.   Certifique-se de que o ambiente de funcionamento do dispositivo cumpre os requisitos do mesmo. NÃO coloque a câmara em locais extremamente quentes, frios, poeirentos ou húmidos; e não a exponha a radiação eletromagnética elevada.

Emergência
Caso o dispositivo emita fumo, odores ou ruídos, desligue a alimentação elétrica de imediato, retire o cabo de alimentação da tomada e contacte o centro de assistência.

Sincronização da hora
Se a hora local não estiver sincronizada com a da rede, configure a hora do dispositivo manualmente quando o utilizar pela primeira vez. Aceda ao dispositivo via navegador Web/software do cliente e vá à interface das definições da hora.

Reflexo
Certifique-se de que nenhuma superfície refletora está muito próxima da lente do dispositivo. A luz de IV do dispositivo pode ser refletida na lente, provocando reflexo.

Nederlands

EU-conformiteitsverklaring
Dit product en - indien van toepassing - de meegeleverde accessoires dragen het merkteken "CE" en voldoen derhalve aan de toepasselijke geharmoniseerde Europese voldoen onder de EMC-richtlijn 2014/30/EU, de LVD-richtlijn 2014/35/EU, de RoHS-richtlijn 2014/65/EU en het wifi-apparaat: de RE-richtlijn 2014/53/EU

2012/19/EU (WEEE-richtlijn): Producten met dit symbool zijn gemarkeerd mogen binnen de Europese Unie niet worden weggegooid als ongesorteerd huishoudelijk afval. Lever dit product voor een juiste recycling in bij uw plaatselijke leverancier bij aankoop van soortgelijke nieuwe apparatuur, of breng het naar daarvoor aangewezen inzamelpunten. Zie voor meer informatie: www.recyclethis.info

2006/66/EG (Batterijrichtlijn): Dit product bevat een batterij die binnen de Europese Unie niet mag worden weggegooid als ongesorteerd huishoudelijk afval. Zie de productdocumentatie voor specifieke informatie over de batterij. De batterij is gemarkeerd met dit symbool, dat letters kan bevatten die cadmium (Cd), lood (Pb) of kwik (Hg) aanduiden. Lever de batterij voor een juiste recycling in bij uw leverancier of bij een daarvoor aangewezen inzamelpunt. Zie voor meer informatie: www.recyclethis.info

Veiligheidsinstructies
Deze instructies dienen om ervoor te zorgen dat de gebruiker het product correct kan gebruiken om gevaar en materiële schade te voorkomen.

Wet- en regelgeving
Het apparaat moet worden gebruikt in overeenstemming met het lokale wetgeving, elektrische veiligheidsvoorschriften en voorschriften voor brandpreventie.

Elektriciteit
U moet zich bij het gebruik van het product strikt houden aan de elektrische

18

veiligheidsvoorschriften van het land en de regio. De apparatuur mag niet worden blootgesteld aan druppels of spetters en er mogen geen voorwerpen gevuld met vloeistoffen, zoals vazen, op de apparatuur worden geplaatst. Zorg voor een overspanningsbeveiliging bij de inlaatopening van de apparatuur onder speciale omstandigheden, zoals op een bergtop, ijzeren toren en in het bos. LET OP: Vervang de zekering uitsluitend door een exemplaar van hetzelfde type en vermogen om het risico van brand te reduceren.

Batterij
Slik de batterij niet in. Gevaar voor chemische brandwonden! Dit product bevat een knoopbatterij. Als de knoopbatterij wordt ingeslikt, kan dat binnen slechts 2 uur leiden tot hevige interne brandwonden en dit kan de dood tot gevolg hebben. Houd nieuwe en gebruikte batterijen buiten bereik van kinderen. Als het batterijvak niet goed sluit, gebruik het product dan niet langer en houd het buiten bereik van kinderen. Als u vermoedt dat de batterijen zijn ingeslikt of in enig deel van het lichaam zijn gebracht, zoek dan onmiddellijk medische hulp. LET OP: Er bestaat explosiegevaar wanneer de batterij door een onjuist type wordt vervangen. Verwijder gebruikte batterijen in overeenstemming met de instructies. Onjuiste vervanging van de batterij door een onjuist type kan een beveiliging omzeilen (bijvoorbeeld in het geval van sommige typen lithiumbatterijen). Gooi de batterij niet in vuur of een heten oven of plet of snij de batterij niet op mechanische wijze, want dat kan een explosie veroorzaken. Laat de batterij niet in een omgeving met een extreem hoge temperatuur liggen, want dat kan een explosie of het lekken van brandbare vloeistof of gas tot gevolg hebben.
Stel de batterij niet bloot aan extreem lage luchtdruk, want dat kan een explosie of het lekken van brandbare vloeistof of gas tot gevolg hebben.
+ identificeert de positieve aansluiting(en) van apparatuur die wordt gebruikt met gelijkstroom of die dat genereert. - identificeert de negatieve aansluiting(en) van apparatuur die wordt gebruikt met gelijkstroom of die dat genereert.

Brandveiligheid
Plaats geen bronnen met open vuur, zoals brandende kaarsen, op het apparaat. De seriële poort van de apparatuur wordt alleen gebruikt voor foutopsporing.

Waarschuwing voor heet oppervlak

LET OP: Hete onderdelen! Verbrande vingers bij het behandelen van de onderdelen. Wacht een half uur na het uitschakelen voordat u onderdelen aanraakt. Deze sticker is om aan te geven dat het gemarkeerde item heet kan zijn en niet mag worden aangeraakt zonder voorzichtig te zijn. Als het apparaat is voorzien van deze sticker, is het bestemd voor installatie in een ruimte met beperkte toegang. Er kan uitsluitend toegang worden verkregen door onderhoudspersoneel of door gebruikers die zijn geïnstrueerd over de redenen voor de beperkingen die van toepassing zijn op de locatie en over alle voorzorgsmaatregelen die moeten worden getroffen.

Installatie
Installeer de apparatuur volgens de instructies in deze handleiding. Om letsel te voorkomen moet

deze apparatuur in overeenstemming met de installatie-instructies stevig aan de grond of muur worden bevestigd. Plaats de apparatuur nooit op een onstabiele plaats. De apparatuur kan dan vallen, wat ernstig letsel of de dood tot gevolg kan hebben.

Stroomvoorziening
Het apparaat wordt aangedreven door Zeer lage veiligheidsspanning (ZLVS): De stroombron moet voldoen aan de vereisten voor beperkte stroombronnen of PS2-vereisten volgens de normen IEC 60950-1 of IEC 62368-1. Het apparaat wordt aangedreven door AC-voedingsspanning: De apparatuur moet worden aangesloten op een geaard stopcontact. Extern aan de apparatuur moet een geschikt, gemakkelijk toegankelijk ontkoppelingsapparaat worden ingebouwd. Extern aan de apparatuur moet een geschikte overstroombeveiliging worden ingebouwd, die de specificatie van het gebouw niet overschrijdt. In de elektrische installatie van het gebouw moet een meerpolige netschakelaar worden ingebouwd. Zorg voor de juiste bekabeling van de klemmen voor aansluiting op een wisselstroomnet. Indien nodig is de apparatuur aangepast voor aansluiting op het IT-stroomdistributiesysteem.

Verlichting met licht (indien ondersteund)
Dit product stoot mogelijk gevaarlijke optische straling uit. Staar NIET in de operationele lichtbron. Dit kan schadelijk zijn voor uw oog. Draag de juiste oogbescherming of doe het witte licht NIET aan wanneer u de camera monteert, installeert of onderhoudt.

Transport
Bewaar het apparaat in de originele of soortgelijke verpakking tijdens vervoer.

Systeembeveiliging
Het installatieprogramma en de gebruiker zijn verantwoordelijk voor wachtwoord- en beveiligingsconfiguratie.

Onderhoud
Als het product niet goed werkt, neem dan contact op met uw leverancier of het dichtstbijzijnde servicecentrum. Wij aanvaarden geen verantwoordelijkheid voor problemen die zijn veroorzaakt door ongeautoriseerde reparatie of onderhoud. En paar componenten van het apparaat (o.a. elektrolytische condensator) vereisen regelmatige vervanging. De gemiddelde levensduur varieert, dus periodieke controle wordt aanbevolen. Neem contact op met uw leverancier voor meer informatie.

Reiniging
Gebruik een zachte, droge doek om de binnenkant en buitenkant van de productklep te reinigen. Gebruik geen alkalische reinigingsmiddelen.

Gebruiksomgeving
Wanneer laserapparatuur in gebruik is, zorg er dan voor dat de lens van het apparaat niet wordt blootgesteld aan de laserstraal, anders kan deze doorbranden. Stel het apparaat NIET bloot aan hoge elektromagnetische straling of stoffige omgevingen. Plaats apparaten die alleen binnenhuis worden gebruikt in een droge en goed geventileerde omgeving. Richt de lens NIET op de zon of een ander fel licht. Plaats de camera NIET op extreem warme, koude, stoffige of vochtige plekken en stel het niet bloot aan hoge elektromagnetische straling.

Noodgeval
Als er rook, geur of geluid uit het apparaat komt,

schakel het dan onmiddellijk uit, haal de stekker van het netsnoer uit het stopcontact en neem contact op met het servicecentrum.
Tijdsynchronisatie
Stel tijd op het apparaat handmatig in bij de eerste aanmelding, als de lokale tijd niet is gesynchroniseerd met die van het netwerk. Bezoek het apparaat via

webbrowser/clientsoftware en ga naar de interface voor tijdsinstellingen.
Reflectie
Zorg ervoor dat er geen reflecterend oppervlak te dicht bij de lens van het apparaat is. Het IR-licht van het apparaat kan terugkaatsen in de lens waardoor reflectie ontstaat.

Čeština

EU prohlášení o shodě

Tento výrobek a případně i dodané příslušenství jsou označeny štítkem „CE", což znamená, že vyhovují příslušným harmonizovaným evropským normám uvedeným ve směrnici o elektromagnetické kompatibilitě (EMC) 2014/30/EU, směrnici o nízkém napětí (LVD) 2014/35/EU, směrnici o nebezpečných látkách (RoHS) 2011/65/EU a zařízení Wi-Fi směrnici o rádiových zařízeních (RE) 2014/53/EU.

Směrnice 2012/19/ES (WEEE): Výrobky označené tímto symbolem nelze v Evropské unii likvidovat společně s netříděným domovním odpadem. Při zakoupení nového ekvivalentního výrobku tento výrobek řádně zrecyklujte vrácením svému místnímu dodavateli, nebo jej zlikvidujte odevzdáním v určených sběrných místech. Více informací naleznete na webu:
www.recyclethis.info

Směrnice 2006/66/ES (týkající se baterií): Tento výrobek obsahuje baterii, kterou nelze v Evropské unii likvidovat společně s netříděným domovním odpadem. Konkrétní informace o baterii naleznete v dokumentaci výrobku. Baterie je označena tímto symbolem, který může obsahovat značící kadmium (Cd), olovo (Pb) nebo rtuť (Hg). Za účelem řádné recyklace baterii odevzdejte svému dodavateli nebo na určené sběrné místo. Více informací naleznete na webu:
www.recyclethis.info
Bezpečnostní pokyny
Účelem těchto pokynů je to, aby uživatel používal tento produkt správně a nedošlo k žádným nebezpečím ani ztrátě majetku.
Zákony a předpisy
Zařízení je nutné používat v souladu s místními zákony a předpisy týkajícími se elektrické bezpečnosti a předpisy pro protipožární ochranu.
Elektřina
Při používání výrobku je nutné přísně dodržovat všechny národní a místní předpisy týkající se elektrické bezpečnosti. Zařízení nesmí být vystaveno kapající nebo stříkající vodě a nesmí se na něj pokládat předměty s tekutinami, jako jsou vázy. Ve speciálních podmínkách, jako je na vrcholcích hor, na kovové věži nebo v lese namontujte do vstupního otvoru zařízení přepěťovou ochranu. UPOZORNĚNÍ: Pojistku vyměňte pouze za pojistku stejného typu a se stejným jmenovitým proudem, abyste omezili nebezpečí požáru.

Baterie
Zabraňte spolknutí baterie. Nebezpečí chemického popálení! Tento výrobek obsahuje knoflíkovou baterii. Dojde-li ke spolknutí knoflíkové baterie, může dojít k závažným popáleninám již za dvě hodiny, a následkem může být smrt. Nové a použité baterie uchovávejte mimo dosah dětí. Nezavře-li se bezpečně přihrádka na baterie, přestaňte výrobek používat a držte jej mimo dosah dětí. Myslíte-li si, že mohlo dojít ke spolknutí baterií nebo jejich umístění uvnitř kterékoli části těla, okamžitě vyhledejte lékařskou pomoc. UPOZORNĚNÍ: Při výměně baterie za nesprávný typ hrozí nebezpečí výbuchu. Použité baterie zlikvidujte podle pokynů. Vyměnit-li baterii za nesprávný typ, může dojít k poškození bezpečnostního prvku (například v případě některých typů lithiových baterií). Baterii nevhazujte do ohně, nevkládejte do horké trouby, mechanicky ji nedrťte ani nařezejte. Mohlo by dojít k výbuchu. Neponechávejte baterii v prostředí s extrémně vysokou teplotou, protože by mohlo dojít k výbuchu nebo úniku hořlavé kapaliny nebo plynu. Nevystavujte baterii extrémně nízkému tlaku vzduchu, protože by mohlo dojít k výbuchu nebo úniku hořlavé kapaliny nebo plynu. + označuje kladnou svorku zařízení, která se používá se stejnosměrným proudem nebo jej generuje. - označuje zápornou svorku zařízení, která se používá se stejnosměrným proudem nebo jej generuje.
Požární ochrana
Na zařízení se nesmí pokládat zdroje otevřeného ohně jako například hořící svíčky. Sériový port zařízení se používá pouze k ladění.
Prevence před spálením horkými povrchy

UPOZORNĚNÍ: Horké díly! Při manipulaci s díly si můžete popálit prsty. Než budete s díly manipulovat, vyčkejte po vypnutí zařízení půl hodiny. Tato nálepka označuje, že označená položka může být horká a měli byste se jí vždy dotýkat opatrně. Zařízení s touto nálepkou je určeno k instalaci na místě s omezeným přístupem, přičemž pouze získat pouze zaměstnanci servisu nebo uživatelé, kteří byli poučeni o důvodech omezení vztahujících se k místu a o veškerých ochranných opatřeních, která mají být přijata.
Montáž
Namontujte zařízení podle pokynů v tomto návodu. Zařízení je třeba v souladu s montážními pokyny bezpečně připevnit na podlahu nebo na zeď, aby nedošlo ke zranění. Zařízení nikdy neumísťujte na nestabilní místo. Zařízení může spadnout a způsobit vážné zranění nebo smrt.
Napájení
Zařízení je napájeno SELV (velmi nízké bezpečnostní napětí): Zdroj napájení musí splňovat požadavky na omezený zdroj napájení nebo požadavky PS2 podle normy IEC 60950-1

20

nebo IEC 62368-1. Zařízení je napájeno AC síťovým napětím. Zařízení musí být připojeno k uzemněné síťové zásuvce. Vně zařízení musí být k dispozici vhodné snadno přístupné odpojovací zařízení. K dispozici musí být vhodné zařízení proudové ochrany, které musí být k zařízení připojeno externě a nesmí překročit specifikaci budovy. Elektroinstalace budovy musí zahrnovat vypínač všech pólů. Při připojení ke zdroji střídavého proudu zajistěte správné zapojení svorek. Toto zařízení bylo navrženo a v případě potřeby upraveno k připojení do rozvodného systému IT.

Bílé osvětlení (je-li podporováno)
Tento výrobek může vyzařovat nebezpečné optické záření. NEDÍVEJTE se do zapnutého zdroje světla. Může být pro oči škodlivé. Při sestavení, montáži nebo údržbě kamery noste vhodnou ochranu očí nebo NEZAPÍNEJTE bílé světlo.

Přeprava
Při přepravě uchovávejte zařízení v původním nebo jemu podobném balení.

Zabezpečení systému
Za konfiguraci hesla a zabezpečení je zodpovědný montážní pracovník a uživatel.

Údržba
V případě, že výrobek nefunguje správně, obraťte se na prodejce nebo na nejbližší servisní středisko. Nepřebíráme žádnou odpovědnost za problémy způsobené neoprávněnou opravou nebo údržbou. Některé z komponent zařízení (např. elektrolytický kondenzátor) je nutné pravidelně vyměňovat. Průměrná doba životnosti se liší, doporučujeme proto pravidelné kontroly. Podrobnosti vám poskytne prodejce.

Čištění

Při čištění vnitřní a vnější plochy krytu produktu použijte měkký a suchý hadřík. Nepoužívejte alkalické čisticí prostředky.

Provozní prostředí
Používá-li se nějaké laserové zařízení, zajistěte, aby nebyl objektiv zařízení vystaven laserovému paprsku. V opačném případě by se mohl vypálit. NEVYSTAVUJTE zařízení silnému elektromagnetickému záření ani prašnému prostředí. Zařízení je určeno pouze pro použití v interiéru, umístěte jej na suché a dobře větrané místo. NEMIŘTE objektivem do slunce ani do jiného zdroje jasného světla. Zajistěte, aby provozní prostředí vyhovovalo požadavkům zařízení. Kameru NEUMISŤUJTE na místa s extrémně vysokými nebo nízkými teplotami, do prašného nebo vlhkého prostředí a ani ji nevystavujte vysokému elektromagnetickému záření.

Stav nouze
Pokud ze zařízení vychází kouř, zápach nebo hluk, zařízení okamžitě vypněte, odpojte napájecí kabel a obraťte se na servisní středisko.

Synchronizace času
Není-li místní čas synchronizován s časem sítě, nastavte při prvním přístupu čas zařízení ručně. Přejděte prostřednictvím webového prohlížeče nebo klientského softwaru k zařízení a otevřete rozhraní pro nastavení času.

Odraz
Ujistěte se, že v těsné blízkosti objektivu zařízení není žádný odrazný povrch. Infračervené osvětlení ze zařízení se může odrážet zpět do objektivu, a způsobovat tak odrazy.

Dansk

EU-overensstemmelseserklæring

Produktet og eventuelt medfølgende tilbehør er mærket "CE" og opfylder derfor gældende harmoniserede europæiske standarder anført i EMC-direktivet 2014/30/EU, LVD-direktivet 2014/35/EU, RoHS-direktivet 2011/65/EU, RE-direktivet 2014/53/EU (wi-fi-enhed)

2012/19/EU (WEEE-direktivet): Produkter, der er mærket med dette symbol, kan ikke bortskaffes som almindeligt husholdningsaffald i EU. Med henblik på korrekt genbrug skal du aflevere produktet til din lokale leverandør ved køb af tilsvarende nyt udstyr eller aflevere det på et dertil indrettet indleveringssted. Du kan få flere oplysninger her: www.recyclethis.info

2006/66/EF (batteridirektivet): Dette produkt indeholder et batteri, som ikke kan bortskaffes sammen med almindeligt husholdningsaffald i EU. Find specifikke oplysninger om batteriet i produktdokumentationen. Batteriet er mærket med dette symbol, som kan indeholde bogstaver, der indikerer indhold af kadmium (Cd), bly (Pb) eller kviksølv (Hg). Med henblik på korrekt genbrug skal

du aflevere batteriet til din leverandør eller til et dertil indrettet indleveringssted. Du kan få flere oplysninger her: www.recyclethis.info

Sikkerhedsanvisning
Disse anvisninger skal sikre, at brugeren kan anvende produktet korrekt og undgå fare eller tab af ejendom.

Love og bestemmelser
Enheden skal anvendes i overensstemmelse med lokale love, sikkerhedsbestemmelser for elnettilslutning og brandforebyggelse.

Elektricitet
Når du anvender produktet, skal du strengt overholde landets og regionens sikkerhedsbestemmelser for elnettilslutning. Udsæt ikke udstyret for dryp eller sprøjt, og placér ikke genstande med væske, såsom vaser, oven på udstyret. Installér en spændingsdæmper ved udstyrets indgangsåbning under særlige forhold som f.eks. bjergtop, jerntårn og skov. FORSIGTIG: Udskift kun med en sikring af samme type og effekt for at reducere risikoen for brand.

Batteri
Slug ikke batteriet. Fare for kemisk ætsning! Produktet indeholder et mønt-/knapcellebatteri. Et mønt-/knapcellebatteri, der sluges, kan medføre alvorlige indre forbrændinger på bare 2 timer og kan medføre døden. Hold nye og brugte batterier væk fra børn. Hvis batterirummet ikke lukker forsvarligt, skal du stoppe med at bruge produktet og holde det væk fra børn. Hvis

21

du tror, at en person har slugt et batteri eller placeret det i en del af kroppen, skal du øjeblikkeligt søge lægehjælp. FORSIGTIG: Der er eksplosionsfare, hvis batteriet udskiftes med en ukorrekt type. Bortskaf brugte batterier i henhold til anvisningerne. Udskiftning af batteriet med et batteri af forkert type kan sætte en sikkerhedsforanstaltning ud af kraft (gælder fx for visse litium-batterityper). Bortskaf ikke batteriet i åben ild eller en varm ovn. Knus ikke, og skær ikke i batteriet, da dette kan forårsage en eksplosion. Opbevar ikke batteriet i omgivelser med ekstremt høje temperaturer, da det kan medføre en eksplosion eller lækage af brandfarlig væske eller luftart. Udsæt ikke batteriet for omgivelser med ekstremt lavt lufttryk, da det kan medføre en eksplosion eller lækage af brandfarlig væske eller luftart. + identificerer de positive terminaler på udstyret, der bruges sammen med eller genererer jævnstrøm. - identificerer de negative terminaler på udstyret, der bruges sammen med eller genererer jævnstrøm.

Forebyggelse af brand
Placér ikke kilder med åben ild, såsom et tændt stearinlys, oven på udstyret. Den serielle port på udstyret bruges kun til fejlfinding.

Varm overflade

FORSIGTIG: Varme dele! Du kan brænde fingrene ved håndtering af delene. Vent en halv time fra du slukker, til du håndterer delene. Mærket angiver, at den mærkede del kan være varm og bør berøres med forsigtighed. Hvis enheden har påsat dette klistermærke, betyder det, at enheden skal installeres et sted med begrænset adgang, hvor adgang kun kan opnås af servicepersonale eller af brugere, der er instrueret i årsagerne til stedets begrænsninger i evt. forholdsregler, der skal træffes.

Installation
Installér udstyret i overensstemmelse med anvisningerne i vejledningen. For at undgå personskade skal udstyret fastgøres forsvarligt til gulvet/væggen i overensstemmelse med installationsvejledningen. Placér aldrig udstyret på et usikkert underlag. Udstyret kan vælte og forårsage alvorlig personskade eller død.

Strømforsyning
Enheden drives af ekstra lav spænding (SELV): Strømkilden skal overholde kravene i LPS eller PS2 iht. standarden IEC 60950-1 eller IEC 62368-1. Enhedens strømforsynes med vekselstrøm fra lysnettet: Udstyret skal tilsluttes en stikkontakt på elnettet med jordforbindelse. En passende, let tilgængelig afbryder skal tilføjes eksternt i forhold til udstyret. En passende overspændingsbeskyttelse skal tilføjes eksternt i forhold til udstyret. Denne må ikke overstige specifikationerne for bygningen. En

hovedafbryder til alle poler skal indbygges i bygningens elinstallation. Sørg for korrekt kabelføring af terminalerne for tilslutning til en strømforsyning med vekselstrøm. Udstyret kan efter behov ændres til tilslutning til et strømfordelingssystem med klassifikation IT.

Hvidt lys (hvis understøttet)
Mulig farlig optisk stråling fra dette produkt. UNDLAD at stirre ind i lyskilden. Kan være skadelig for øjnene. Bær passende øjenbeskyttelse eller UNDLAD at tænde det hvide lys, når du samler, eller vedligeholder kameraet.

Transport
Opbevar enheden i den oprindelige eller en lignende emballage, når den skal transporteres.

Systemsikkerhed
Installatør og bruger er ansvarlige for konfiguration af adgangskode og sikkerhed.

Vedligeholdelse
Hvis produktet ikke virker korrekt, skal du kontakte din forhandler eller dit nærmeste servicecenter. Vi påtager os intet ansvar for problemer, der er forårsaget af uautoriseret reparation eller vedligeholdelse. Der er få enhedsdele (fx elektrolytkondensator) der skal udskiftes regelmæssigt. Den gennemsnitlige levetid varierer. Derfor er det nødvendigt at udføre regelmæssig kontrol. Kontakt din forhandler for nærmere oplysninger.

Rengøring
Brug en blød, tør klud, når du rengør kamerakuplens yder- og indersider. Brug ikke alkaliske rengøringsmidler.

Driftsmiljø
Når der er et laserudstyr i brug, skal det kontrolleres, at enhedens objektiv ikke udsættes for laserstrålen, ellers kan det brænde ud. Enheden må IKKE udsættes for kraftig elektromagnetisk stråling eller støvfyldte miljøer. Indendørsenheder skal placeres i et tørt og velventileret miljø. Objektivet må IKKE rettes mod solen eller et stærkt lys. UNDLAD at placere kameraet på ekstremt varme, kolde, støvede eller fugtige steder, og udsæt det ikke for høj elektromagnetisk stråling.

Nødsituation
Hvis enheden afgiver røg, lugt eller støj, skal du straks slukke for strømmen og trække strømkablet ud. Kontakt derefter servicecentret.

Tidssynkronisering
Indstil enhedstiden manuelt første gang, du tilgår enheden, hvis den lokale tid ikke er synkroniseret med netværkets. Gå ind på enheden via din webbrowser/klientsoftware, og gå ind i tidsindstillingerne.

Refleksion
Sørg for, at der ikke findes reflekterende overflader for tæt på enhedens objektiv. IR-lyset fra enheden kan skinne tilbage i linsen og give genskin.

EU megfelelőségi nyilatkozat

Ez a termék és tartozékai (amennyiben vannak) „CE" jelöléssel vannak ellátva, ezáltal megfelelnek a következő irányelvekben foglalt harmonizált európai szabványoknak: 2014/30/EU (EMC-irányelv), 2014/35/EU (kisfeszültségű irányelv), 2011/65/EU (RoHS-irányelv), wifi eszközök esetében: 2014/53/EU (RE-irányelv)

2012/19/EU (WEEE-irányelv): Az ezzel a jelzéssel ellátott termékeket nem lehet szelektálatlan kommunális hulladékként elhelyezni az Európai Unióban. A megfelelő újrahasznosítás érdekében vigye vissza ezt a terméket helyi beszállítójához, amikor új, egyenértékű berendezést vásárol, vagy adja le a kijelölt gyűjtőhelyeken. További információ: www.recyclethis.info

2006/66/EC (akkumulátorokról szóló irányelv): Ez a termék olyan akkumulátort tartalmaz, amelyet nem lehet szelektálatlan kommunális hulladékként elhelyezni az Európai Unióban. A termékdokumentációban további információkat talál az akkumulátorról. Az akkumulátor ezzel a jelzéssel van ellátva. A jelzésen megtalálhatók lehetnek a kadmiumot (Cd), ólmot (Pb) vagy higanyt (Hg) jelző betűjelek. A megfelelő újrahasznosítás érdekében vigye vissza ezt a terméket a beszállítójához, vagy vigye egy kijelölt gyűjtőhelyre. További információ: www.recyclethis.info

Biztonsági utasítások
Ezen utasítások célja annak biztosítása, hogy a felhasználó a terméket megfelelően tudja használni veszély vagy vagyoni veszteség elkerülése érdekében.

Törvények és szabályok
Az eszközt a helyi törvények, elektromos biztonsági és tűzvédelmi előírások betartásával kell használni.

Elektromosság
A termék használata során az ország és a régió elektromos biztonsági előírásait szigorúan be kell tartani. A készüléket védeni kell csöpögő vagy fröccsenő víz és folyadékok ellen. Ne helyezzen vízzel telimazott edényt, tárgyat, pl. vázát a tetejére. Speciális elhelyezés (pl. hegyentő, vastorony, erdő) esetén a berendezés bemeneti nyílásainál alkalmazzon túláramvédő. VIGYÁZAT: A tűzveszély csökkentése érdekében csak azonos típusú és névleges értékű cserebiztosítót használjon.
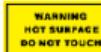
Akkumulátor
Ne nyelje le az elemet. Marási sérülés veszélye! Ez a termék gombelemet tartalmaz. A gombelem lenyelés esetén már 2 órán belül súlyos belső marási sérülést és akár halált okozhat. Az új és használt akkumulátorokat gyermekektől elzárva tartandók. Ha az akkumulátorrekesz nem záródik megfelelően, ne használja a terméket és a gyermeknektől tartsa elzárva. Az akkumulátort lenyelésének vagy más testnyílásba helyezésének gyanúja esetén azonnal orvosi ellátást kell kérni.

VIGYÁZAT: Az akkumulátor nem megfelelő típusára cserélése robbanásveszélyt idézhet elő. A használt akkumulátorok hulladékkezelésekor kövesse az utasításokat. Az akkumulátor nem megfelelő típussal történő helyettesítése hatástalanná tehet egy biztonsági berendezést (például bizonyos típusú lítiumion-akkumulátorok esetében). Tilos az akkumulátort tűzbe vagy forró sütőbe tenni, illetve az akkumulátort összezúzni vagy felvágni, mert ez robbanást okozhat. Tilos az akkumulátort rendkívül magas környezeti hőmérsékletnek kitenni, mert ez robbanást, illetve gyúlékony folyadék vagy gáz szivárgását idézheti elő. Tilos az akkumulátort rendkívül alacsony légnyomásnak kitenni, mert ez robbanást, illetve gyúlékony folyadék vagy gáz szivárgását okozhatja. A + a berendezés áramot fogadó vagy leadó pozitív érintkezőjét jelöli. A - a berendezés áramot fogadó vagy leadó negatív érintkezőjét jelöli.

Tűzvédelmi előírások
Tilos a készüléken nyílt lángforrást, pl. gyertyát elhelyezni. A készülék soros portja kizárólag hibakeresésre szolgál.

Forró felületek

VIGYÁZAT: Forró részek! Az alkatrészek megérintése esetén az ujjak égési sérülésének veszélye áll fenn. Az eszköz kikapcsolását követően várjon fél órát, mielőtt ezekhez a részekhez érne. Ez a cimke azt jelöli, hogy a jelölt elem forró lehet, és csak kellő elővigyázatossággal szabad megérinteni. A matricával megjelölt eszközökkel korlátozottan hozzáférhető helyeken történő használatára tervezték, a hozzáférés csak a szerviszemélyzet vagy olyan felhasználók számára engedélyezett, akiket tájékoztattak a megfelelő helyi korlátozott hozzáférhetőségének okáról, valamint a szükséges óvintézkedésekről.

Telepítés
A készülék telepítését az ebben az útmutatóban leírtak szerint végezze. A balesetveszély elkerülése érdekében a készüléket az üzembe helyezési utasításoknak megfelelően szilárdan a padlóhoz/falhoz kell erősíteni. Soha ne helyezze a berendezést instabil helyre. A berendezés leeshet, ami súlyos vagy akár halálos sérülést okozhat.

Tápellátás
Az eszköz biztonságos rendkívüli alacsony feszültségről (SELV) működik. Az áramforrásnak teljesítenie kell a korlátozott áramforrásokra vonatkozó előírásokat vagy az IEC 60950-1 vagy IEC 62368-1 szabvány PS2 előírásait. Az eszköz váltakozó áramú hálózati feszültségről működik. A berendezést földelt hálózati aljzatra kell csatlakoztatni. Egy megfelelően könnyen hozzáférhető leválasztó eszköz legyen kívülről beépítve a berendezésbe. Egy megfelelő túláramvédő berendezés legyen kívülről beépítve a berendezésbe, amely nem haladja meg az épület műszaki előírásait. Az épület elektromos hálózatának tartalmaznia kell egy minden pólust megszakító főkapcsolót. Ügyeljen a váltakozóáramú hálózati feszültségforráshoz csatlakozó érintkezők megfelelő bekötésére. A készülék úgy van kialakítva, hogy szükség esetén IT besorolású tápfeszültség-elosztó rendszerhez csatlakoztatható.

Fehér fényű fényforrás (ha támogatott)
A termék potenciálisan veszélyes fénysugarat
bocsát ki. NE nézzen a működő fényforrásba. Ez
szemkárosodást okozhat. Viseljen megfelelő
szemvédő eszközt, illetve NE kapcsolja be a fehér
fényforrást a kamera összeszerelése, telepítése
vagy karbantartása közben.
Szállítás
Szállítás alkalmával tartsa a terméket az eredeti
vagy ahhoz hasonló csomagolásban.
Rendszerbiztonság
A jelszó és a biztonság beállításáért a telepítést
végző személy, valamint a felhasználó felelőssé.
Karbantartás
Ha a termék nem működik megfelelően, forduljon
a kereskedőjéhez vagy a legközelebbi
szervizközponthoz. Nem vállalunk felelősséget az
illetéktelen javításból vagy karbantartásból eredő
károkért. A készülék néhány alkatrésze (pl.
elektrolit kondenzátor) rendszeres cserét igényel.
Ezek átlagos élettartama változó, ezért
időszakonkénti ellenőrzés ajánlott. Részletekért
forduljon a kereskedőjéhez.
Tisztítás
A termék burkolata külső és belső felületének
tisztításához puha, száraz ruhát használjon. Ne
használjon lúgos tisztítószereket.
Használati környezet
Ha bármilyen lézerkészüléket használ, biztosítsa,

hogy a készülék lencséjét ne érje a lézersugár,
különben az kiéghet. NE TEGYE ki a készüléket
erős elektromágneses sugárzásnak vagy poros
környezetnek. A kizárólag beltéri használatra
alkalmas készüléket száraz és jól szellőző
környezetben helyezze el. NE IRÁNYÍTSA a lencsét
a Nap vagy már erős fényforrás irányába.
Győződjünk meg arról, hogy a használati
környezet megfelel a készülék előírásainak. NE
helyezze a kamerát szélsőségesen forró, hideg,
poros vagy nedves környezetbe, és ne tegye ki
erős elektromágneses sugárzásnak.
Vészhelyzet
Ha a készülék füstöt, furcsa szagot vagy zajt
bocsát ki, azonnal kapcsolja ki, húzza ki a
tápkábelt, majd forduljon a szervizközponthoz.
Időszinkronizálás
Ha a helyi idő hálózati idővel való szinkronizálása
nem történik meg, akkor az eszköz idejét kézzel
kell beállítani. Webböngésző/kliensszoftveren
keresztül nyissa meg az eszközt, majd lépjen az
időbeállítás felületre.
Tükröződés
Győződjön meg arról, hogy nincs tükröződő
felület az eszköz optikájának közelében. Az eszköz
által sugárzott infravörös fény visszatükröződhet
az optikába, és reflexiót okozhat.

Polski

**Deklaracja zgodności z dyrektywami Unii
Europejskiej**

Ten produkt i ewentualnie
dostarczone razem z nim
akcesoria oznaczono symbolem
„CE" potwierdzającym zgodność
z odpowiednimi ujednoliconymi
normami europejskimi, uwzględnionymi
w dyrektywie 2014/30/EU dotyczącej
kompatybilności elektromagnetycznej (EMC),
dyrektywie 2014/35/EU dotyczącej sprzętu
elektrycznego przewidzianego do stosowania
w określonych granicach napięcia (LVD),
dyrektywie 2011/65/EU w sprawie ograniczenia
stosowania niektórych niebezpiecznych substancji
w sprzęcie elektrycznym i elektronicznym (RoHS)
i dyrektywie radiowej 2014/53/EU (RE)
(w przypadku urządzeń Wi-Fi).

Dyrektywa 2012/19/EU
w sprawie zużytego sprzętu
elektrycznego i elektronicznego
(WEEE): Produktów
oznaczonych tym symbolem
nie wolno utylizować
na obszarze Unii Europejskiej
jako niesegregowane odpady komunalne.
Aby zapewnić prawidłowy recykling, należy
zwrócić ten produkt do lokalnego dostawcy
przy zakupie równoważnego nowego urządzenia
lub utylizować go w wyznaczonym punkcie
selektywnej zbiórki odpadów. Aby uzyskać więcej
informacji, skorzystaj z następującej witryny
internetowej: www.recyclethis.info

Dyrektywa 2006/66/WE
w sprawie baterii
i akumulatorów: Ten produkt
zawiera baterię, której
nie wolno utylizować
na obszarze Unii Europejskiej
jako niesegregowane odpady
komunalne. Szczegółowe informacje dotyczące
baterii zamieszczono w dokumentacji produktu.
Bateria jest oznaczona tym symbolem, który może
także zawierać litery wskazujące na zawartość
kadmu (Cd), ołowiu (Pb) lub rtęci (Hg).
Aby zapewnić prawidłowy recykling, należy
zwrócić baterię do dostawcy lub przekazać
ją do wyznaczonego punktu zbiórki. Aby uzyskać
więcej informacji, skorzystaj z następującej
witryny internetowej: www.recyclethis.info
Zalecenia dotyczące bezpieczeństwa
Niniejsze instrukcje umożliwiają prawidłowe
użytkowanie urządzenia oraz uniknięcie zagrożeń
i zniszczenia wyposażenia.
Przepisy i rozporządzenia
Urządzenie powinno być użytkowane zgodnie
z lokalnymi przepisami, rozporządzeniami
dotyczącymi korzystania z wyposażenia
elektrycznego i przepisami przeciwpożarowymi.
Zasilanie elektryczne
Produkt powinien być użytkowany zgodnie z
rozporządzeniami dotyczącymi bezpiecznego
korzystania z urządzeń elektrycznych,
obowiązującymi w danym kraju lub regionie. Nie
wolno dopuścić do rozlania cieczy na urządzeniu.
Nie wolno ustawiać na urządzeniu naczyń
napełnionych cieczą, takich jak wazony. Należy
zapewnić tłumienie udarów elektrycznych przy
otwarciu bramki w określonych lokalizacjach
takich jak szczyt wzgórza, wieża z elementów
stalowych lub las. PRZESTROGA: Aby ograniczyć

zagrożenie pożarowe, należy używać bezpieczników tego samego typu i o takich samych parametrach znamionowych.

Bateria

Nie wolno połykać baterii. Zagrożenie oparzeniem chemicznym! W tym produkcie wykorzystywana jest bateria pastylkowa. Połknięcie baterii pastylkowej może spowodować poważne oparzenie wewnętrzne już po dwóch godzinach i zgon. Nowe i zużyte baterie należy przechowywać w miejscu niedostępnym dla dzieci. Jeżeli zasobnik na baterie nie jest prawidłowo zamknięty, należy zrezygnować z użycia produktu i umieścić go w miejscu niedostępnym dla dzieci. Jeżeli można przypuszczać, że baterie zostały połknięte lub w inny sposób dostały się do wnętrza ciała, należy niezwłocznie skorzystać z porady/pomocy medycznej. PRZESTROGA: Zainstalowanie nieodpowiedniej baterii może spowodować wybuch. Zużyte baterie należy utylizować zgodnie z instrukcjami. Zainstalowanie nieodpowiedniej baterii może spowodować zagrożenie (dotyczy to na przykład niektórych baterii litowych). Wrzucenie baterii do ognia lub rozgrzanego pieca albo zgniecenie lub przecięcie baterii może spowodować wybuch. Wysoka temperatura w otoczeniu może spowodować wybuch oraz wyciek palnej cieczy lub gazu. Ekstremalnie niskie ciśnienie powietrza w otoczeniu może spowodować wybuch baterii albo wyciek palnej cieczy lub gazu. Symbol + oznacza dodatnie styki prądu stałego w urządzeniu. Symbol – oznacza ujemne styki prądu stałego w urządzeniu.

Ochrona przeciwpożarowa

Nie wolno umieszczać na urządzeniu źródeł nieosłoniętego płomienia, takich jak zapalone świece. Złącze szeregowe urządzenia jest używane wyłącznie do debugowania.

Zagrożenia związane z gorącymi elementami

PRZESTROGA: Gorące podzespoły! Dotknięcie gorących podzespołów może spowodować oparzenie palców. Po wyłączeniu zasilania należy odczekać pół godziny przed dotknięciem podzespołów urządzenia. Podzespoły oznaczone tą etykietą mogą być gorące, dlatego należy obchodzić się z nimi ostrożnie. Urządzenia oznaczone tą etykietą są przeznaczone do instalacji w lokalizacjach dostępnych tylko dla personelu serwisowego lub użytkowników poinformowanych o celach ograniczenia dostępu do danej lokalizacji i stosowanych środkach ostrożności.

Instalacja

Urządzenie należy zainstalować zgodnie z instrukcjami podanymi w tej podręczniku. Aby zapobiec zranieniu, należy przymocować urządzenie do podłogi/ściany zgodnie z instrukcjami instalacyjnymi. Nie wolno instalować urządzenia na niestabilnym podłożu. Urządzenie może upaść i spowodować zranienie lub zgon.

Zasilanie

Urządzenie należy zainstalować zgodnie z instrukcjami podanymi w tej podręczniku. Aby zapobiec zranieniu, należy przymocować urządzenie do podłogi/ściany zgodnie z instrukcjami instalacyjnymi. Nie wolno instalować urządzenia na niestabilnym podłożu. Urządzenie może upaść i spowodować poważne zranienie lub zgon.

Zasilanie

Zasilanie urządzenia w trybie bardzo niskiego napięcia bezpiecznego (SELV): źródło zasilania powinno spełniać wymagania dotyczące źródeł zasilania z własnym ograniczeniem (LPS) lub PS2 zgodnie z normą IEC60950-1 lub IEC62368-1.

Zasilanie urządzenia z sieci elektrycznej AC: urządzenie musi być podłączone do uziemionego gniazda sieci elektrycznej. Na linii zasilającej urządzenie należy zainstalować odpowiedni, łatwo dostępny odłącznik. Urządzenie należy podłączyć do odpowiedniego wyposażenia zabezpieczającego przed zbyt wysokim natężeniem prądu elektrycznego, zgodnego ze specyfikacjami instalacji budynku. Przełącznik sieciowy umożliwiający odłączenie wszystkich przewodów linii zasilania powinien być używany w instalacji elektrycznej budynku. Należy upewnić się, że przewody są prawidłowo podłączone do złączy sieci elektrycznej. Urządzenie zostało zaprojektowane w sposób umożliwiający przystosowanie do zasilania z sieci elektrycznej w konfiguracji IT.

Oświetlenie światłem białym (jeżeli jest używana)

Produkt emituje światło widzialne, które może być szkodliwe. NIE wolno spoglądać bezpośrednio w wiązkę światła. Może to spowodować zranienie oczu. Należy korzystać z odpowiednich okularów ochronnych, a jeżeli odpowiednie okulary są niedostępne, NIE wolno włączać oświetlenia światłem białym podczas montażu, instalacji lub konserwacji kamery.

Transport

Podczas transportu urządzenie powinno być umieszczone w oryginalnym lub podobnym opakowaniu.

Zabezpieczenia systemu

Instalator i użytkownik są zobowiązani do skonfigurowania hasła i zabezpieczeń.

Konserwacja

Jeżeli urządzenie nie działa prawidłowo, należy skontaktować się z dystrybutorem lub najbliższym centrum serwisowym. Producent nie ponosi odpowiedzialności za problemy spowodowane przez nieautoryzowane prace naprawcze lub konserwacyjne. Konieczna jest regularna wymiana kilku podzespołów urządzenia (np. kondensatora elektrolitycznego). Przeciętny okres użytkowania może być różny, dlatego zalecane jest regularne sprawdzanie stanu technicznego podzespołów. Aby uzyskać więcej informacji, należy skontaktować się z dystrybutorem.

Czyszczenie

Wewnętrzne i zewnętrzne elementy urządzenia należy czyścić miękką, suchą ściereczką. Nie wolno stosować zasadowych środków czyszczących.

Warunki otoczenia

Jeżeli używane są wyposażenie laserowe, należy upewnić się, że obiektyw urządzenia nie jest oświetlany przez wiązkę lasera, ponieważ może to spowodować jego spalenie. Należy chronić urządzenie przed silnym promieniowaniem elektromagnetycznym oraz kurzem i pyłem. Jeżeli urządzenie jest przeznaczone do użytku w budynkach, należy umieścić je w suchym i odpowiednio wentylowanym miejscu. NIE wolno kierować obiektywu w stronę słońca ani innego źródła intensywnego światła.   Upewnij się, że warunki otoczenia spełniają wymagania określone przez producenta urządzenia. NIE wolno umieszczać kamery w lokalizacjach, w których występują bardzo wysokie lub niskie temperatury, kurz, pył lub wilgoć, ani narażać jej na silne promieniowanie elektromagnetyczne.

Poważne awarie

Jeżeli urządzenie wydziela dym lub intensywny zapach albo emituje hałas, należy niezwłocznie wyłączyć zasilanie i odłączyć przewód zasilający, a następnie skontaktować się z centrum serwisowym.

25

Synchronizacja czasu
Podczas pierwszego dostępu można ręcznie ustawić czas urządzenia, jeżeli nie jest on zsynchronizowany z czasem sieci. Należy wyświetlić okno ustawień czasu urządzenia przy użyciu przeglądarki internetowej / oprogramowania klienckiego.

Odbicie światła
Należy upewnić się, że żadne elementy odblaskowe nie znajdują się zbyt blisko obiektywu urządzenia. Promieniowanie podczerwone z urządzenia może być odbijane wstecz do obiektywu.

Declarația de conformitate UE

CE

Acest produs și - dacă este cazul - accesoriile furnizate sunt marcate cu "CE" și, prin urmare, respectă standardele europene armonizate aplicabile enumerate în Directiva EMC 2014/30/UE, Directiva LVD 2014/35/UE, Directiva RoHS 2011/65/ UE, dispozitiv Wi-Fi: Directiva RE 2014/53/UE

2012/19/UE (Directiva WEEE): Produsele marcate cu acest simbol nu pot fi eliminate ca deșeu municipal nesortat în Uniunea Europeană. Pentru o reciclare adecvată, returna i acest produs furnizorului dvs. local la achizi ionarea unui nou echipament echivalent sau elimina i-l în punctele de colectare indicate. Pentru mai multe informații, consultați: www.recyclethis.info

2006/66/CE (Directiva pentru baterii): Acest produs con ine o baterie care nu poate fi eliminată ca deșeu municipal nesortat în Uniunea Europeană. Consulta i documenta ia produsului pentru informa ii specifice cu privire la baterie. Bateria este marcată cu acest simbol, care poate include litere pentru a indica substan ele cadmiu (Cd), plumb (Pb) sau mercur (Hg). Pentru o reciclare adecvată, returna i bateria furnizorului dvs. sau la un punct de colectare adecvat. Pentru mai multe informații, consultați: www.recyclethis.info

Instrucțiuni de siguranță
Aceste instrucțiuni au fost concepute pentru a se asigura că utilizatorul poate folosi corect produsul, în scopul evitării pericolelor și a pagubelor materiale.

Legi și regulamente
Dispozitivul trebuie utilizat în conformitate cu legile locale, reglementările privind siguranța electrică și reglementările privind prevenirea incendiilor.

Electricitate
În utilizarea produsului, trebuie să respectați cu strictețe reglementările de siguranță electrică naționale și regionale. Echipamentul nu trebuie să fie expus la picurare sau la stropire, astfel că niciun obiect umplut cu lichide, cum ar fi vazele, nu trebuie să fie plasat pe echipament. Asigurați protecția la suprasarcină la nivelul orificiului de intrare al dispozitivului, în condiții speciale, precum vânt de munte, turn de fier sau pădure. ATENȚIE: Pentru a reduce riscul de incendii, înlocuiți siguranțele doar cu siguranțe de același tip și de același amperaj.

Baterie
Nu ingerați bateria. Pericol de arsuri chimice!

Acest produs conține o baterie cu celulele primare tip buton sau monedă. Dacă bateria cu celulele primare tip buton sau monedă este înghițită, poate provoca arsuri interne grave în doar 2 ore și poate duce la moarte. Nu lăsați bateriile noi și folosite la îndemâna copiilor. Dacă compartimentul pentru baterii nu se închide ferm, opriți utilizarea produsului și nu-l lăsați la îndemâna copiilor. Dacă credeți că bateriile ar fi putut fi înghițite sau introduse în orice parte a corpului, solicitați asistență medicală imediată. ATENȚIE: Există risc de explozie dacă bateria este înlocuită cu una de un tip incorect. Casați bateriile folosite conform instrucțiunilor. Înlocuirea bateriei cu una de un tip incorect poate cauza anularea protecției (de exemplu, anumite baterii de tip litiu). Nu aruncați bateria în foc sau într-un cuptor fierbinte și nu zdrobiți mecanic sau tăiați bateria. Aceasta poate exploda. Nu lăsați bateria într-un mediu cu o temperatură extrem de ridicată, deoarece acest lucru poate duce la explozie sau la scurgerea de lichid sau gaze inflamabile. Nu expuneți bateria la presiune atmosferică extrem de joasă, care poate duce la explozie sau la scurgerea de lichid sau gaze inflamabile. + identifică terminalul (terminalele) pozitiv (pozitive) al (ale) echipamentului cu care este utilizat sau care generează curent continuu. - identifică terminalul (terminalele) negativ (negative) al (ale) echipamentului cu care este utilizat sau care generează curent alternativ.

Prevenire incendiu
Nu plasați pe echipament surse de flacără deschisă, cum ar fi lumânări aprinse. Portul serial al echipamentului este utilizat doar pentru depanare.

Prevenirea Suprafețelor Fierbinți

ATENȚIE: Componente fierbinți! Degete arse la manipularea pieselor. Așteptați o jumătate de oră după ce opriți dispozitivul, înainte de a manipula piesele. Acest autocolant indică faptul că articolele marcate pot fi fierbinți și ar trebui atinse făra precauție. Dacă dispozitivul are acest autocolant, aceasta înseamnă că dispozitivul este destinat instalării într-o locație cu acces restricționat, accesul poate fi obținut numai de către persoane de serviciu sau de către utilizatorii care au fost instruiți cu privire la motivele restricțiilor aplicate locației și despre orice precauții care trebuie luate.

Instalarea
Instalați echipamentul conform instrucțiunilor din acest manual. Pentru a preveni rănirea, acest echipament trebuie să fie fixat ferm pe podea/perete, în conformitate cu instrucțiunile de instalare. Nu plasați nicidată echipamentul într-un loc instabil. Echipamentul poate cădea și poate cauza astfel vătămări corporale sau decesul.

Alimentare electrică

Dispozitiv alimentat de tensiune foarte joasă de siguranță (SELV): Sursa de alimentare trebuie să îndeplinească cerințele sursei de alimentare limitată sau cerințele PS2 conform standardului IEC 60950-1 sau IEC 62368-1. Dispozitiv alimentat de tensiune de alimentare cu curent alternativ: Echipamentul trebuie să fie conectat la o ieșire a unei prize cu împământare. Un dispozitiv de deconectare adecvat, ușor accesibil, trebuie încorporat în exteriorul echipamentului. Un dispozitiv adecvat de protecție împotriva supracurentului trebuie încorporat în exteriorul echipamentului, fără a depăși specificațiile clădirii. În instalația electrică a clădirii se va încorpora un întreruptor de alimentare multipolar. Asigurați conectarea corectă a terminalelor pentru conectarea la o rețea de curent alternativ. Echipamentul a fost proiectat și modificat, în caz de necesitate, pentru conectarea la un sistem de distribuție a energiei electrice IT.

Iluminator cu lumină albă (dacă este acceptat)
Posibilă radiație optică periculoasă emisă de acest produs. NU priviți în sursa de lumină de operare. Poate fi dăunătoare pentru ochi. Purtați protecție pentru ochi adecvată sau NU porniți lumina albă când efectuați lucrări de asamblare, instalare sau întreținere a camerei.

Transportare
Păstrați dispozitivul în ambalaje originale sau similare în timp ce îl transportați.

Securitatea sistemului
Instalatorul și utilizatorul sunt responsabili pentru configurarea parolei și a securității acesteia.

Întreținere
Dacă produsul nu funcționează corespunzător, vă rugăm să contactați distribuitorul sau cel mai apropiat centru de service. Nu ne asumăm nicio responsabilitate pentru problemele cauzate de reparații sau întreținere neautorizate. Unele componente ale dispozitivului (de exemplu, condensatorul electrolitic) necesită înlocuirea

regulată. Durata medie de viață variază, prin urmare, se recomandă verificarea periodică. Pentru detalii, contactați furnizorul dvs.

Curățarea
Utilizați o cârpă moale și uscată, atunci când curățați suprafețele interioare și exterioare ale capacului produsului. Nu folosiți detergenți alcalini.

Mediul de utilizare
Când se utilizează orice echipament laser, asigurați-vă că obiectivul dispozitivului nu este expus la fasciculul laser, în caz contrar, acesta se poate aprinde. Nu expuneți dispozitivul la radiații electromagnetice ridicate sau în medii cu praf. Pentru dispozitivul destinat exclusiv uzului la interior, amplasați-l într-un mediu uscat și bine ventilat. Nu îndreptați obiectivul la soare sau la orice altă lumină strălucitoare.   Asigurați-vă că mediul de funcționare îndeplinește cerințele dispozitivului. NU amplasați camera în locații cu temperaturi extrem de ridicate, extrem de scăzute, cu praf sau umede, și nu o expuneți la radiații electromagnetice ridicate.

Situații de urgență
Dacă dispozitivul emite fum, miros sau zgomot, decuplați imediat curentul electric, scoateți cablul de alimentare, și contactați centrul de service.

Sincronizarea orei
Setați ora dispozitivului manual când o porniți pentru prima dată dacă ora locală nu este sincronizată cu cea a rețelei. Accesați dispozitivul prin intermediul browser-ului web/software-ului de client și mergeți la interfața pentru setările orei.

Reflexie
Asigurați-vă că în apropierea lentilelor dispozitivului nu există nicio suprafață reflectorizantă. Lumina IR provenită de la dispozitiv poate fi reflectată înapoi în obiectiv, cauzând reflexia.

Vyhlásenie o súlade s predpismi EÚ
Tento produkt a dodané príslušenstvo, ak je to relevantné, sú takisto označené značkou „CE", takže sú v súlade s príslušnými harmonizovanými európskymi normami uvedenými v smernici o elektromagnetickej kompatibilite 2014/30/EÚ, smernici o nízkom napätí 2014/35/EÚ, smernici o obmedzení používania určitých nebezpečných látok v elektrických a elektronických zariadeniach 2011/65/EÚ, smernici o rádiových zariadeniach 2014/53/EÚ pre zariadenie Wi-Fi.

2012/19/EÚ (smernica o odpade z elektrických a elektronických zariadení): Produkty označené týmto symbolom sa v rámci Európskej únie nesmú likvidovať spolu s netriedeným komunálnym odpadom. Po zakúpení ekvivalentného nového zariadenia zrecyklujte produkt tým, že ho odovzdáte miestnemu dodávateľovi alebo ho zlikvidujete na určených zberných miestach. Ďalšie informácie nájdete na lokalite: www.recyclethis.info

2006/66/ES (smernica o batériách): Tento produkt obsahuje batériu, ktorá sa v rámci Európskej únie nesmie likvidovať spolu s netriedeným komunálnym odpadom. Konkrétne informácie o batérii nájdete v dokumentácii produktu. Batéria je označená týmto symbolom, ktorý môže obsahovať písmená označujúce obsah kadmia (Cd), olova (Pb) alebo ortuti (Hg). Zrecyklujte batériu tým, že ju odovzdáte dodávateľovi alebo ju zlikvidujete na určenom zbernom mieste. Ďalšie informácie nájdete na lokalite: www.recyclethis.info

Bezpečnostné pokyny
Tieto pokyny slúžia na zabezpečenie správneho používania produktu používateľom s cieľom predchádzať vzniku nebezpečenstva alebo majetkovým stratám.

Právne predpisy a nariadenia
Zariadenie by sa malo používať v súlade s miestnymi zákonmi, predpismi o elektrickej bezpečnosti a protipožiarnymi predpismi.

Elektrické požiadavky
Pri používaní produktu je potrebné, aby ste dôsledne dodržiavali elektroinštalačné bezpečnostné predpisy

platné na celoštátnej a regionálnej úrovni. Zariadenie nesmie byť vystavené kvapkajúcim ani striekajúcim kvapalinám a na zariadenie sa nesmú umiestňovať žiadne predmety naplnené kvapalinou, napríklad vázy. V nevyčajných podmienkach, napríklad na vrchole hory, na kovovej veši alebo v lese, zabezpečte vstupný otvor zariadenia ochranou proti prepätiu. VÝSTRAHA: S cieľom znížiť riziko požiaru vymeňte poistku len sa poistku rovnakého typu a parametrov.

Batéria
Zabráňte prehltnutiu batérie. Nebezpečenstvo chemických popálenín! Tento produkt obsahuje plochú/gombíkovú batériu. V prípade prehltnutia plochej/gombíkovej batérie môže dôjsť k vážnym vnútorným popáleninám už v priebehu 2 hodín, ktoré môžu spôsobiť smrť. Nové a použité batérie uchovajte mimo dosahu detí. Ak sa priečinok batérie nedá bezpečne zavrieť, prestaňte produkt používať a uchovajte ho mimo dosahu detí. Ak si myslíte, že mohlo dôjsť k prehltnutiu batérií alebo ich vloženiu do akejkoľvek časti tela, okamžite vyhľadajte lekársku pomoc. VÝSTRAHA: Riziko výbuchu v prípade výmeny batérie za nesprávny typ. Použité batérie zlikvidujte podľa príslušných pokynov. Pri nevhodnej výmene batérie za nesprávny typ sa môže deaktivovať bezpečnostný prvok (napríklad pri niektorých typoch lítiových batérií). Batériu nevkladajte do ohňa alebo horúcej rúry ani ju mechanicky nedrvte ani nerežte, pretože by to mohlo spôsobiť výbuch. Batériu nenechávajte v prostredí s mimoriadne vysokou teplotou, čo môže viesť k výbuchu alebo úniku horľavých kvapalín alebo plynov. Batériu nevystavujte mimoriadne nízkemu tlaku vzduchu, čo môže viesť k výbuchu alebo úniku horľavých kvapalín alebo plynov. + označuje kladnú koncovku s kladnou polaritou v prípade zariadenia, s ktorým sa používa alebo ktoré vytvára jednosmerný prúd. – označuje koncovku so zápornou polaritou v prípade zariadenia, s ktorým sa používa alebo ktoré vytvára jednosmerný prúd.

Predchádzanie požiarom
Na zariadenie sa nesmú umiestňovať žiadne zdroje otvoreného ohňa, napríklad zapálené sviečky. Sériový port na zariadení slúži len na servisné účely.

Prevencia pred horúcimi povrchmi

VÝSTRAHA: Horúce súčasti! Pri manipulácii so súčasťami si môžete popáliť prsty. Pred manipuláciou so súčastami počkajte pol hodiny po vypnutí zariadenia. Táto nálepka indikuje, že označená položka môže byť horúca a mali by ste sa jej dotýkať opatrne. Zariadenie s touto nálepkou je určené na inštaláciu na mieste s obmedzeným prístupom, prístup je možné udeliť len zamestnancom servisu alebo používateľom, ktorí boli poučení o dôvodoch obmedzenia prístupu na dané miesto a o všetkých bezpečnostných opatreniach, ktoré musia dodržať.

Montáž
Zariadenie nainštalujte podľa pokynov v tejto príručke. Aby sa predišlo zraneniu, musí byť zariadenie bezpečne pripevnené k podlahe/stene podľa inštalačných pokynov. Zariadenie nikdy neumiestňujte na nestabilné miesto. Zariadenie môže spadnúť, v dôsledku čoho môže dôjsť k vážnemu zraneniu alebo usmrteniu.

Zdroj napájania
Na napájanie zariadenia sa používa bezpečné veľmi nízke napätie (SELV): Zdroj napájania by mal spĺňať požiadavky obmedzeného zdroja napájania alebo PS2 podľa normy IEC 60950-1 alebo IEC 62368-1. Na napájanie zariadenia sa používa sieťové striedavé napätie: Zariadenie musí byť pripojené k uzemnenej sieťovej zásuvke. Súčasťou výbavy musí byť ľahko dostupné externé zariadenie na odpojenie. Externé zariadenie musí byť vybavené vhodným nadprúdovým ochranným zariadením, ktoré nepresahuje technické parametre budovy. Do elektrickej inštalácie budovy musí byť zabudovaný sieťový vypínač všetkých pólov. Zostavený sieťový spojenie koncoviek pri pripojení k prívodu striedavého sieťového napájania. Zariadenie bolo navrhnuté tak, aby sa v prípade potreby dalo upraviť na pripojenie k IT systému rozvodu napájania.

Osvetlenie bielym svetlom (ak je podporované)
Tento výrobok môže vyžarovať nebezpečné optické žiarenie. NEPOZERAJTE sa do zapnutého zdroja svetla. Môže byť škodlivý pre oči. Pri montáži, inštalácii alebo údržbe kamery používajte vhodnú ochranu zraku alebo NEZAPÍNAJTE biele svetlo.

Preprava
Pri preprave ponechajte zariadenie v pôvodnom alebo podobnom balení.

Zabezpečenie systému
Inštalujúca osoba a používateľ sú zodpovední za heslo konfiguráciu zabezpečenia.

Údržba
Ak produkt nepracuje správne, obráťte sa na predajcu alebo na najbližšie servisné stredisko. Nepreberáme žiadnu zodpovednosť za problémy spôsobené neopravneno opravou alebo údržbou. Niekoľko komponentov zariadenia (napr. elektrolytický kondenzátor) si vyžaduje pravidelnú výmenu. Priemerná doba životnosti sa líši, preto odporúčame pravidelnú kontrolu. So žiadosťou o ďalšie podrobnosti sa obráťte na predajcu.

Čistenie
Pri čistení vnútorných a vonkajších povrchov krytu zariadenia používajte jemnú a suchú handričku. Nepoužívajte alkalické čistiace prostriedky.

Prevádzkové prostredie
Pri používaní akéhokoľvek laserového vybavenia zabezpečte, aby šošovka zariadenia nebola vystavená laserovému lúču, inak sa môže vypáliť. Zariadenie NEVYSTAVUJTE silnému elektromagnetickému žiareniu ani prašnému prostrediu. V prípade zariadenia určeného iba do interiéru ho umiestnite do suchého a dobre vetraného prostredia. Šošovku NEMIERTE na slnko ani na žiadny iný silný zdroj svetla. Zabezpečte, aby prevádzkové prostredie spĺňalo požiadavky zariadenia. NEUMIESTŇUJTE kameru na extrémne horúce, chladné, prašné alebo vlhké miesta a nevystavujte ju silnému elektromagnetickému žiareniu.

Núdzový režim
Ak zo zariadenia vychádza dym, zápach alebo hluk, ihneď vypnite napájanie, odpojte napájací kábel a obráťte sa na servisné stredisko.

Synchronizácia času
Ak lokálny čas nie je synchronizovaný s časom siete, nastavte čas zariadenia pre prvý prístup manuálne. Zobrazte zariadenie vo webovom prehliadačí/ klientskom softvéri a prejdite do rozhrania nastavenia času.

Zrkadlenie
Uistite sa, že príliš blízko k objektívu zariadenia nie je žiadny reflexný povrch. Infračervené svetlo zo zariadenia sa môže odraziť späť do objektívu a

28

spôsobiť zrkadlenie.

Pernyataan Kepatuhan Terhadap UE

Produk ini dan—jika ada—aksesori yang disertakan bertanda "CE" dan oleh karena itu memenuhi standar kompatibel Eropa yang disebutkan dalam EMC Directive 2014/30/EU, LVD Directive 2014/35/EU, RoHS Directive 2011/65/EU, perangkat Wi-Fi: RE Directive 2014/53/EU

2012/19/EU (WEEE directive): Produk yang bertanda simbol ini tidak boleh dibuang sebagai sampah umum yang tidak disortir di wilayah Uni Eropa. Agar dapat didaur ulang sesuai ketentuan, kembalikan produk ini ke toko terdekat saat Anda membeli peralatan pengganti yang baru, atau buang pada titik pengumpulan yang ditentukan. Untuk informasi lebih lanjut, kunjungi: www.recyclethis.info

2006/66/EC (ketentuan baterai): Produk ini berisi baterai yang tidak boleh dibuang sebagai sampah umum yang tidak disortir di wilayah Uni Eropa. Lihat dokumentasi produk untuk informasi spesifik tentang baterai. Baterai ini ditandai dengan simbol ini, yang mungkin disertai huruf untuk menandakan kadmium (Cd), timbal (Pb), atau merkuri (Hg). Agar dapat didaur ulang sesuai ketentuan, kembalikan baterai ke toko atau titik pengumpulan yang ditentukan. Untuk informasi lebih lanjut, kunjungi: www.recyclethis.info

Petunjuk Keselamatan

Instruksi ini ditujukan untuk memastikan pengguna dapat menggunakan produk dengan benar dan menghindari bahaya atau kerugian materiil.

Undang-Undang dan Peraturan

Perangkat harus digunakan sesuai dengan undang-undang setempat, peraturan keselamatan kelistrikan, dan peraturan terkait pencegahan kebakaran.

Kelistrikan

Selama menggunakan produk ini, Anda harus sepenuhnya mematuhi peraturan keselamatan kelistrikan dari pemerintah. Lindungi peralatan dari tetesan atau cipratan dan jangan menaruh benda berisi cairan, misalnya vas, di atas peralatan. Sediakan penekan lonjakan pada bukaan inlet peralatan dalam kondisi khusus, seperti puncak gunung, menara besi, dan hutan. PERHATIAN: Untuk mengurangi risiko kebakaran, ganti sekering dengan tipe dan rating yang sama saja.

Baterai

Jangan menelan baterai. Bahaya luka bakar akibat bahan kimia! Produk ini menggunakan baterai sel berbentuk koin/kancing. Baterai sel koin/kancing, jika tertelan, dapat menyebabkan luka bakar internal serius hanya dalam waktu 2 jam dan mengakibatkan kematian. Simpan baterai baru dan lama jauh dari jangkauan anak-anak. Jika kompartemen baterai tidak dapat ditutup sempurna, hentikan penggunaan produk dan jauhkan dari jangkauan anak-anak. Jika Anda curiga baterai telah tertelan atau memasuki bagian tubuh mana pun, segera hubungi dokter. PERHATIAN: Risiko ledakan jika baterai diganti dengan jenis yang salah. Buang baterai bekas sesuai petunjuk. Penggantian baterai yang tidak tepat dengan baterai dari jenis yang salah dapat memengaruhi keamanan (misalnya, untuk beberapa jenis baterai lithium). Jangan membuang baterai ke dalam api atau oven panas, atau menghancurkan atau memotongnya secara mekanis, karena dapat menyebabkan ledakan. Jangan meletakkan baterai di lingkungan yang bersuhu sangat tinggi, karena dapat menyebabkan ledakan atau kebocoran cairan atau gas yang mudah terbakar. Jangan membiarkan baterai terpapar tekanan udara yang sangat rendah, karena dapat menyebabkan ledakan atau kebocoran cairan atau gas yang mudah terbakar. + menandai terminal positif peralatan yang digunakan dengan, atau menghasilkan arus searah. - menandai terminal negatif peralatan yang digunakan dengan, atau menghasilkan arus searah.

Pencegahan Kebakaran

Jangan menempatkan sumber nyala terbuka, misalnya lilin, di atas peralatan. Gunakan port seri hanya setengah jam.

Pencegahan Permukaan Panas

PERHATIAN: Komponen panas! Jari yang terbakar saat menangani komponen. Tunggu satu setengah jam setelah peralatan dimatikan sebelum menangani komponen. Stiker ini untuk mengindikasikan bahwa item yang ditandai bisa menjadi panas dan tidak boleh disentuh tanpa waktu pendinginan. Untuk perangkat dengan stiker ini, perangkat ini dimaksudkan untuk pemasangan di lokasi dengan akses terbatas, akses hanya dapat dicapai oleh petugas layanan atau oleh pengguna yang telah diberitahu tentang alasan penerapan pembatasan terhadap lokasi dan tentang segala tindakan pencegahan yang harus diambil.

Pemasangan

Pasang peralatan sesuai petunjuk di dalam manual ini. Untuk mencegah cedera, pasang peralatan ini dengan aman ke lantai/tembok sesuai petunjuk pemasangan. Jangan memasang peralatan ini di lokasi yang tidak stabil. Peralatan bisa jatuh dan menyebabkan cedera serius hingga kematian.

Catu Daya

Perangkat menggunakan daya dari Voltase Ekstra Rendah Aman (SELV): Sumber daya harus memenuhi sumber tenaga terbatas atau PS2 menurut standar IEC 60950-1 atau IEC 62368-1. Perangkat menggunakan daya dari voltase catu daya listrik AC. Peralatan wajib dihubungkan ke lubang stopkontak listrik yang dibumikan. Lengkapi peralatan dengan perangkat pemutus arus eksternal yang sesuai dan mudah dijangkau. Lengkapi perangkat perlindungan kelebihan arus eksternal yang sesuai, tidak melampaui spesifikasi gedung. Gunakan saklar listrik semua kutub dalam instalasi

29

kelistrikan gedung. Pastikan sambungan kabel terminal yang akan dihubungkan ke sumber arus AC sudah benar. Peralatan ini dirancang, dan jika perlu, dimodifikasi untuk disambungkan ke sistem distribusi daya IT.

Iluminator Cahaya Putih (Jika didukung)
Radiasi optik yang mungkin berbahaya dikeluarkan oleh produk ini. JANGAN memandang sumber cahaya yang menyala. Dapat membahayakan mata. Kenakan perlindungan mata yang baik atau JANGAN menghidupkan cahaya putih saat Anda merakit, memasang, atau merawat kamera.

Transportasi
Kemas perangkat dalam kemasan aslinya atau yang serupa saat memindahkannya.

Keamanan Sistem
Pemasang dan pengguna bertanggung jawab atas kata sandi dan konfigurasi keamanan.

Pemeliharaan
Jika produk tidak berfungsi dengan baik, hubungi dealer atau pusat servis terdekat. Kami tidak bertanggung jawab atas masalah yang disebabkan oleh perbaikan atau perawatan yang tidak resmi. Beberapa komponen perangkat (mis., kapasitor elektrolitik) harus diganti secara rutin. Masa pakai rata-rata bervariasi, jadi disarankan melakukan pemeriksaan periodik. Hubungi dealer Anda untuk informasi selengkapnya.

Pembersihan

Gunakan kain yang lembut dan kering saat membersihkan permukaan bagian dalam dan luar dari penutup produk. Jangan menggunakan detergen alkalin.

Lingkungan Penggunaan
Saat ada perangkat laser yang sedang digunakan, pastikan lensa perangkat tidak terpapar sorotan laser, karena bisa terbakar. JANGAN membiarkan perangkat terpapar radiasi elektromagnetik atau lingkungan yang berdebu.   Untuk perangkat khusus dalam ruangan, tempatkan dalam ruangan yang kering dan berventilasi baik. JANGAN mengarahkan lensa ke matahari atau cahaya terang lainnya. JANGAN menempatkan kamera di lokasi yang sangat panas, dingin, berdebu, atau lembap, dan jangan paparkan terhadap radiasi elektromagnetik tinggi.

Darurat
Jika muncul asap, bau, atau derau dari perangkat, segera matikan perangkat, cabut kabel daya, lalu hubungi pusat servis.

SINKRONISASI WAKTU
Setel waktu perangkat secara manual untuk akses pertama kali jika waktu setempat tidak sinkron dengan waktu jaringan. Kunjungi perangkat via penelusuran Web/perangkat lunak klien dan buka antarmuka pengaturan waktu.

Refleksi
Pastikan tidak ada permukaan reflektif yang terlalu dekat dengan lensa. Cahaya IR dari perangkat dapat memantul kembali ke lensa dan menyebabkan refleksi.

မြန်မာ

EU စည်းကမ်းချက် ကိုက်ညီမှုဆိုင်ရာ ကြေညာချက်

ဤထုတ်ကုန်နှင့် - သက်ဆိုင်ပါက - အထွပ်ပုံးပေးထားသည့် ပစ္စည်းများကိုလည်း "CE" ဖြင့် အမှတ်အသားပြုလုပ်ထားသည်အတွက် EMC ညွှန်ကြားချက် 2014/30/EUၦ LVD ညွှန်ကြားချက် 2014/35/EUၦ RoHS ညွှန်ကြားချက် 2011/65/EUၦ Wi-Fi စက်- RE ညွှန်ကြားချက် 2014/53/EU အောက်ကျဲ ဖော်ပြထားသော သက်ဆိုင်ရာ ဥရောပစံနှုန်းများနှင့် ကိုက်ညီပါသည်

2012/19/EU (WEEE ညွှန်ကြားချက်)- ဤသင်္ကေတ ကပ်ထားသည့် ထုတ်ကုန်များကို ဥရောပသမဂ္ဂအတွင်း ရောနှောစွန့်ပစ်အမှိုက်အနေဖြင့် စွန့်ပစ်ခြင်း မပြုပါ။ သေချာစွာ ရီဆိုင်ကယ်လုပ်နိုင်ရန်အတွက် ဤထုတ်ကုန်နှင့်ဥပစ္စည်းကို အလားတူ ပစ္စည်းအသစ်တစ်ခု ဝယ်ယူမှိန်ပျင့် သင်နှယ်စံ ပစ္စည်းရောင်းချသူထံ ပြန်ပေးပါ သို့မဟုတ်

သတ်မှတ်ထားသည့် ပစ္စည်းစုဆောင်းသော နေရာများ၌ စွန့်ပစ်ပါ။ ထပ်မံသိလိုသည်များ ရှိပါက-
www.recyclethis.info

2006/66/EC (ဘက်ထရီဆိုင်ရာ ညွှန်ကြားချက်)-
ဤထုတ်ကုန်နှင့်ဥပစ္စည်းတွင် ဥရောပသမဂ္ဂအတွင်း ရောနှော စည်းပင်အမှိုက်အနေဖြင့် စွန့်ပစ်နိုင်သည့် မရှိသည့် ဘက်ထရီ တစ်လုံး ပါဝင်နေပါသည်။ ဘက်ထရီအတွက် သီးသန့်အမှာ်ချက် အလဝ်ဂျီများကို ထုတ်ကုန်ပစ္စည်းပါ စာရွက်စာတမ်းများ၌ ကြည့်ပါ။ ဤထုတ်ထီရွက် ကက်ဒမီယမ် (Cd) ၿ (Pb) သို့မဟုတ် ပြ (Hg) ဟု ညွှန်ပြမည့် စွန့်ပစ်ခြင်းဝေါင်းနိုင်ကြောင်း ဤသင်္ကေတဖြင့် မှတ်သားထားပါသည်။ သေချာစွာ ရီဆိုက်ကယ်လုပ်ရန်အတွက် ဤဘက်ထရီကို သင်နယ်စံ ပစ္စည်း ရောင်းချသူထံ ပြန်ပေးပါ သို့မဟုတ် သတ်မှတ်ထားသည့် စုဆောင်းသော နေရာ၌ စွန့်ပစ်ပါ။ ထပ်မံသိလိုသည်များ ရှိပါက-

ဘေးကင်းလုံခြုံရေးဆိုင်ရာ ညွှန်ကြားချက်များ

ဤပုံစံဆွဲချက်များသည် သုံးစွဲသူနေဖြင့် ကုန်ပစ္စည်းကို မှန်ကန်စွာ သုံးစွဲပြီး ဘေးအန္တရာယ်နှင့် ပိုင်ဆိုင်မှု ဆုံးရှုံးခြင်းများကို ကာကွယ်နိုင်ရန် အာမခံရက်ရှိစေရန် ရည်ရွယ်ပါသည်။

ဥပဒေများနှင့် လုပ်ထုံးလုပ်နည်းများ

ကိရိယာကို ဒေသဆိုင်ရာ ဥပဒေများ လျှပ်စစ်ပစ္စည်း ဘေးကင်းလုံခြုံမှု စည်းမျဉ်းစည်းကမ်းများ နှင့် မီးဘေး ကာကွယ်ရေး စည်းမျဉ်းစည်းကမ်းများနှင့် အညီ သုံးစွဲရမည်။

လျှပ်စစ်ဓာတ်အား

ဤထုတ်ကုန်နှံပစ္စည်းအား အသုံးပြုရာတွင် နိုင်ငံနှင့် ဒေသဆွဲ့ကို့ လျှပ်စစ်ဆိုင်ရာ ဘေးကင်းလုံခြုံရေး စည်းမျဉ်းအများကို အပြည့်အဝ လိုက်နာဆောင်ရွက်ရမည် ဖြစ်သည်။ ဤကိရိယာကို ရေစိုစ္ဓကျခြင်း သို့မဟုတ် ဖုန်းအိုးရှုကြီးဖြန့်ယက်ခြင်းများနှင့် မထိစေရန်နှင့် ပန်းအိုးများ ကဲ့သို့သော အရည်ဖြည့်ထားသည့် ပစ္စည်းများကို ကိရိယာအပေါ်တွင် မတင်ရပါ။ တောင်ထိပ်၊ သံတာပတ်ဝိုင်းနှင့် သစ်တောများကဲ့သို့ အထူး အခြေအနေများအောက်တွင် ကိရိယာ၏ အဆင်ပေါက်တွင် ရဟတ်တရဟ် လှုပ်ရှားမှု အထင်းကို ထည့်ပေးပါ။ သတိပြုရန်- မီးလောင်ကျွမ်းမှု အန္တရာယ်ကို လျော့ချရန်အတွက် အမျိုးအစားနှင့် အဆင့်အတန်း တူညီသည့် ဖျူးစ်ဖြင့်သာ လဲလှယ်ပေးရမည်။

ဘက်ထရီ

ဘက်ထရီကို မြိုချခြင်း မပြုပါနှင့်။ ဓာတုလောင်ကျွမ်းမှု အန္တရာယ် ဖြစ်စေသည်။ ဤကိရိယာတွင် ငွေအကြေစေ့/ကြယ်သီးပုံ ဆဲလ်ဘက်ထရီတစ်လုံး ပါရှိသည့် ငွေအကြေစေ့/ကြယ်သီးပုံ ဆဲလ်ဘက်ထရီကို မြိုချမိပါက အနိမ့်ဆုံး ၂ နာရီအတွင်း ပြင်ထန်သော ခန္ဓာကိုယ်တွင်း ဓာတုလောင်ကျွမ်းမှုများ ဖြစ်စေနိုင်ပြီး သေဆုံးသည်အထိ ဖြစ်နိုင်ပါသည်။ ဘက်ထရီ အသစ်များ၊ သုံးပြီးသားများကို ကလေးများနှင့် ဝေးရာတွင် ထားပါ။ ဘက်ထရီအခန်း သေချာမပိတ်ပါက ထိုကိရိယာကို ဆက်မသုံးဘဲ

ကလေးများနှင့် ဝေးရာတွင် ထားပါ။ ဘက်ထရီကို မြိုချမိသည် သို့မဟုတ် ခန္ဓာကိုယ်တွင်း နေရာတစ်ခုနေရာတွင် ဝင်သွားသည်ဟုလာ ထင်ပါက ဆေးကုသမှု ချက်ချင်းခံယူပါ။ သတိပြုရန်- မှန်ကန်မှုမရှိသော ဘက်ထရီအမျိုးအစားဖြင့် လဲပါက ပေါက်ကွဲမှုဖြစ်စေသည်။ အသုံးပြုပြီး ဘက်ထရီများကို လမ်းညွှန်ချက်များနှင့်အညီ စွန့်ပစ်ပါ။ ဘက်ထရီကို ပုံစံမရွဲ့သော မှားယွင်းသော အမျိုးအစားတစ်ခုဖြင့် အသစ်လဲ့ဒဲ့ပါက safeguard ပျက်စီးနိုင်သည် (ဥပမာအားဖြင့် အချို့သော လစ်သီယမ် ဘက်ထရီအမျိုးအစားများတွင်)။ ဘက်ထရီကို ပေါက်ကွဲမှု ဖြစ်ပေါ်စေနိုင်သည့် မီးအတွင်းသို့၊ သို့မဟုတ် မီးဖိုအတွင်း၊ သို့မဟုတ် စက်ပစ္စည်းသုံး ထုထဲခြင်း၊ သို့မဟုတ် ဖြတ်တောက်ခြင်း ပြုံ မစွန်းပါနှံပါ။ ဘက်ထရီကို အလွန်အမင်း မြင့်မားသည့် အပူရှိန်ရှိသည့် ပတ်ဝန်းကျင်တွင် မထားပါနှင့်။ ပေါက်ကွဲမှု ဖြစ်စေနိုင်သည် သို့မဟုတ်လွယ်သည့် အရည် သို့မဟုတ် ဓာတ်ငွေ့များ ထွက်လာနိုင်သည်။ ဤဘက်ထရီကို အလွန်နိမ့်သည့် လေဖိအားနှင့် ထိတွေ့ခြင်း မရှိစေရ။ ပေါက်ကွဲမှုဖြစ်စေနိုင်သည် သို့မဟုတ် မီးလောင်လွယ်သည့် အရည် သို့မဟုတ် ဓာတ်ငွေ့များ ထွက်လာနိုင်သည်။ + တိုက်ရိုက်လျှပ်စီးကြောင်းနှင့် အသုံးပြုသော သို့မဟုတ် တိုက်ရိုက်လျှပ်စီးကြောင်း ထွက်သော ကိရိယာ၏ အပေါ်ဒဂုတ်(များ)ကို ချိခြားမှတ်သားပါ။ - တိုက်ရိုက်လျှပ်စီးကြောင်းနှင့် အသုံးပြုသော သို့မဟုတ် တိုက်ရိုက်လျှပ်စီးကြောင်း ထွက်သော ကိရိယာ၏ အနုတ်ဒဂုတ်(များ)ကို ချိခြားမှတ်သားပါ။

မီးဘေး ကာကွယ်ယ်တားဆီးရေး

မီးလွှန်းထားသည် ဖယောင်းတိုင်များ ကဲ့သို့သော အကာာအကွယ်မရှိသည့် မီးအစင်းအမြစ်ဖြစ်များကို ကိရိယာအပေါ်တွင် မထားရပါ။ ကိရိယာ၏ စီရီယယ်လ် ဆက်သွယ်မှု သည် အမှားပြင်ရန်အတွက်သာ အသုံးပြုသည်။

ပူလာမ်ျက်နှာပြင် ကာကွယ်ခြင်း

သတိပြုရန်- ပူသော အစိတ်အပိုင်းများ အစိတ်အပိုင်းများ ကိုင်တွယ်ရစဉ် အပူလောင်သော

လက်ချောင်းများ အစိတ်အပိုင်းများကို ကိုင်တွယ်ခြင်းပြုပြီ ခလုတ်ကို ပိတ်ပြီး နာရီဝက် စောင့်ပါ။ ကျွန်ုပ်တို့သည် ပုံနှိုင်သော ပစ္စည်းကို သတ်မှတ်ပြထားပြီး သတိမထားဘဲ မကိုင်တွယ်ရပါ။ ကျွန်ုပ်တို့သည် ကိုမီယာအတွက် ကိရိယာအတွင် သတ်မှတ်ထားသော နေရာတွင်သာ တပ်ဆင်ရမည်။ ဝန်ဆောင်မှု ပေးသော ပုဂ္ဂိုလ်များ သို့မဟုတ် ကန့်သတ်ချက်၏ အကြောင်းရင်းများကို အသိပေးထားသော သုံးစွဲသူသာ လက်လှမ်းမီ ကိုင်တွယ်နိုင်ခြင်းသည် နေရာ နှင့် မည်သည့်ကြိုတင် ပြင်ဆင်မှ ပြုလုပ်မည်ဆိုသည်အပေါ် တွင် သက်ဆိုင်သည်။

တပ်ဆင်ခြင်း

ကျွန်ုပ်တို့၏ ကျွန်ုပ်လမ်းညွှန်ပါ လမ်းညွှန်ချက်များနှင့်အညီ တပ်ဆင်ပါ။ ဒက်ရာအနာတဂယ မမြစ်စရေးအတွက် ကျွန်ုပ်ကိရိယာကို ကြမ်းပြင်/နံရံတွင် တပ်ဆင်ရန် လမ်းညွှန်ချက်များနှင့်အညီ ခိုင်မြဲစွာ တပ်ဆင်တားရမည်။ ကိရိယာ၏ မတည်ငြိမ်သော နေရာများတွင် မည်သည့်အခါမျ တပ်ဆင်ခြင်း မပြုရပါ။ ကျွန်ုပ်ကိရိယာ ပြတ်ကျစ္စ အနာတဂယ ပြင်ဆင်စွာဖြစ်စေ။ အသက်ဆုံးရှုံးသည်အထိ ဖြစ်စေ အန္တရာယ် ဖြစ်စေနိုင်သည်။

ပါဝါ ပေးစွပ်မှု

Safety Extra-Low Voltage(SELV) ဖြင့်ပါဝါပေးထားသည်။ ပါဝါ ရင်းမြစ်သည် ကန့်သတ်တားသော ပါဝါ အရင်းအမြစ် သို့မဟုတ် IEC 60950-1 သို့မဟုတ် IEC 62368-1 စံချိန်စံညွှန်းနှင့် အညီ PS2 လိုအပ်ချက်များကို ပြည့်မှီရမည်။ စက်တို့ AC ပင်မထောက်ပံ့ပို့အားဖြင့် ပါဝါပေးထားပါသည်။ ကျွန်ုပ်ကိရိယာ မြေရှိုင်းတပ်ပစ်ထားသည့် မိန်းပလပ်ပေါက်မှာ ချိတ်ဆက်ထားရမည်။ သင်�့လျော်သော အလွယ်တကူ ရရှိနိုင်သည့် အဆက်အသွယ် ဖြတ်တောက်နိုင်သည့်စက်ကို ကိရိယာ၏ အပြင်ဘက်တွင် တပ်ဆင်ထားပါမည်။ သင့်လျော်သော လျှစ်စစ်ပိုလျှံမှု ကာကွယ်သည့်စက်ကို ကိရိယာ၏ အပြင်ဘက်တွင် တပ်ဆင်ရပါမည်။ အဆောက်အအုံသတ်မှတ်ချက်ထက် မပိုရပါ။

အဆောက်အအုံ၏ လျှပ်စစ်ဆက်သွယ်မှု စနစ်အတွင်၌ ဒုတ်အားလုံးပါသော မိန်းပလပ် တစ်ခုကို တပ်ဆင်ထားရမည်။ AC မိန်းဓာတ်အားသို့ ချိတ်ဆက်တသည့် ဒုတ်များ ချိတ်ဆက်ပုံ မှန်ကန်စေရမ့် လုပ်ဆောင်ပါ။ လိုအပ်ပါက IT ပါဝါဖြန့်ဖြူးမှု စနစ်တစ်ခုနှင့် ချိတ်ဆက်ရန်လိုအတွက် ကျွန်ုပ်ကိရိယာကို ဒီဇိုင်းထုတ်ထားခြင်း ဖြစ်သည်။

အဖြုံးရောင် & ရောင်ပြန် (ပုံစံမူရိုပါကာ)

ကျွန်ုပ်များမှ တေားအွန္နုရာယ် ရှိနိုင်သော အလင်းဆိုင်ရာ ရောင်ခြည်များ ထုတ်လွှတ်သည်။ လုပ်ငန်းလုပ်ဆောင်နေသော ဦးအာရုံအမြင်ကို စိုက်မကြည့်ပါနှင့်။ မျက်စိများကို ထိခိုက်နိုင်သည်။ သင်တော်သော မျက်စိကာကွယ်မှုကို ဝတ်ဆင်ပါ သို့မဟုတ် ပစ္စည်းများ စီတင်ခြင်း၊ တပ်ဆင်ခြင်း သို့မဟုတ် ပြုပြင်ထိန်းသိမ်းခြင်း လုပ်သည့်အခါ အဖြူရောင်မီးကို ဖွင့်မထားပါနှင့်။

သယ်ယူပို့ဆောင်ရေး

ကိရိယာကို သယ်ယူပို့ဆောင်ရာတွင် မူလ သို့မဟုတ် အလားတူ ထုပ်ပိုးမှုအတိုင်း ထားပါ။

စနစ် လုံခြုံရေး

တပ်ဆင်သူနှင့် သုံးစွဲသူတို့သည် စကားဝှက်များနှင့် လုံခြုံရေး ကန့်ကာရန်များအတွက် တာဝန်ခံရမည်။

ပြုပြင်ထိန်းသိမ်းခြင်း

ကိရိယာ သေချာအလုပ်လုပ်ပါက အရောင်းဆိုင် သို့မဟုတ် အနီးဆုံး ကြွေနိုင်မှစစ်ဆေးရေး စင်တာသို့ ဆက်သွယ်ပါ။ ခွင့်ပြုချက်မရှိဘဲ ပြင်ဆင်ခြင်း သို့မဟုတ် ထိန်းသိမ်းပြင်ဆင်ခြင်းကြောင့် ဖြစ်ပွိရသည့် မည်သည့်ပြဿနာအတွက်မဆို လုံးဝတာဝန်ယူမည် မဟုတ်ပါ။ အဆုံအုံသ ကိရိယာ အစိတ်အပိုင်းများ (ဥပမာ- အီလက်ထရွိလိုက်တစ် စွမ်းရည်ထိန်း ပစ္စည်း) သည် ပုံမှန် လဲလှယ်မှု လုပ်ရန် လိုအပ်သည်။ ပျံမျ သက်တမ်း ကွာခြားမျ ရှိသဖြင့် စစ်ဆေးရန် အကြံပြုသည်။ အသေးစိတ်အတွက် သင်အား ပစ္စည်းရောင်းပေးသူအား ဆက်သွယ်ပါ။

သန့်ရှင်းခြင်း

ကုန်ပစ္စည်း အဖုံး၏ အတွင်နှင့် အပြင်ကို သန့်ရှင်းသည်အတွက် ကျေးဇူးပြု၍ ပျော့ပျောင်းခြောက်သွေ့သော အဝတ်စက အသုံးပြုပါ။ အဆပ်ကာလိုင်း ဆပ်ပြာမှုန်များ

မသုံးပါနှင့်။

အသုံးပြုသည့် ပတ်ဝန်းကျင်
လေဆာ ကိရိယာ တစ်ခုတစ်ခုကို အသုံးပြုခြင်းဟာ ကိရိယာ၏ မှန်ဘီလူးများ လေဆာရောင်ခြည် ဖြစ်ပေါ်စေရန် သတ်မှတ်ပါ သို့မဟုတ်ပါက လောင်ကျွမ်းသွားနိုင်သည်။ ကိရိယာကို လျှပ်စစ်သံလိုက် ရောင်ခြည် သို့မဟုတ် ဖန်ထွေသော ပတ်ဝန်းကျင်များနှင့် မထားရှိပါနှင့်။ အဆောက်အအုံအတွင်းအတွက်သာ ကိရိယာများကို ဖြောင်းသွေ့ပြီး လေးလံလေထွက်ကောင်းသော ပတ်ဝန်းကျင်တွင် ထားရှိပါ။ မှန်ဘီလူးများကို နေ သို့မဟုတ် တောက်ပသော အလင်းရောင်ရှိရာသို့ မချိန်ရွယ်ပါနှင့်။ အလွန် ပူပြင်း အေးခြင်း ဖုတ်ခြင်း သို့မဟုတ် စိုထိုင်းသော နေရာများ တွင် ကင်မရာကို မထားရှိနှင့် ထို့ပြင် လျှပ်စစ်သံလိုက် ရောင်ခြည်ပြင်းများနှင့် မထားဝေးရန် ရှောင်ပါ။

အာမခံ
ကိရိယာမှ ပိုးဖြစ်ေ၊ ဒဏ်ရာရသည့် အန္တ ရာယ်သုံးများ ထွက်လာလျှင် ပါဝါ ချက်ချင်းပိတ်ပါ။ ပါဝါကောဘယ် ဖြုတ်ပြီး ပြုပြင်ရေးစင်တာသို့ ဆက်သွယ်ပါ။

အချိန် ညှိခြင်း
ဒေသစံတော်ချိန်ရှိသည့် ကုန်ရက်နှင့် ချိန်ညှိထားခြင်း မရှိပါက ပလပ်ဆင်းအကြိမ်တွင် ကိရိယာ၏ အချိန်ကို ကိုယ်တိုင်ထည့်သွင်းပါ။ ကိရိယာကို ဝက်ဘ်ဆိုက်/ကလိုင်းရင့် ဆော့ဝဲလာစခင် ထံရောက်ပြီး အချိန် သတ်မှတ်ချက် အင်တာဖေ့ကို သွားပါ။

ရောင်ပြန်ခြင်း
မည်သည့် ရောင်ပြန် မျက်နှာပြင်မှူ ကိရိယာ၏ အနီးအနား နီးကပ်လွန်းခြင်း မရှိမှုပါ ကိရိယာမှ IR မီးသည် မှန်ဘီလူးများပေါ်သို့ အရောက်ပတ်လိုပြီး ရောင်ပြန်ခြင်းကို ဖြစ်စေနိုင်သည်။

Türkçe

Güvenlik Talimatı
Bu talimatlar ile tehlikeleri veya mal kayıplarını önlemek için kullanıcının ürünü doğru şekilde kullanabilmesinin sağlanması amaçlanmıştır.

Yasalar ve Yönetmelikler
Cihaz yerel yasalara, elektrik güvenliği yönetmeliklerine ve yangın önleme yönetmeliklerine uygun şekilde kullanılmalıdır.
Elektrik
Ürünün kullanımında ülkenin ve bölgenin elektrik güvenliği düzenlemelerine kesinlikle uymanız gerekir. Ekipman, damlayan veya sıçrayan sıvılara maruz bırakılmamalı ve ekipmanın üzerine vazo gibi içi sıvı dolu nesnelerin konulmamasına dikkat edilmelidir. Dağ tepesi, demir kule ve orman gibi özel koşullarda ekipmanın giriş açıklığında aşırı gerilim koruyucu sağlayın. DİKKAT: Yangın riskini azaltmak için, sadece aynı tip ve değerde sigorta ile değiştirin.
Pil
Pili yutmayın. Kimyasal yanık tehlikesi! Bu ürün düğme pil içerir. Düğme pil yutulursa, yalnızca 2 saat içinde ciddi iç yanıklara ve ölüme neden olabilir. Yeni ve kullanılmış pilleri çocuklardan uzak tutun. Pil bölmesi güvenli şekilde kapanmıyorsa ürünü kullanmayı bırakın ve çocuklardan uzak tutun. Pillerin yutulmuş veya vücudun herhangi bir yerine yerleştirilmiş olabileceğini düşünüyorsanız, derhal tıbbi yardım alın. DİKKAT: Pil yanlış bir türle değiştirildiğinde patlama riski. Bitmiş pilleri yönetmeliklere göre atın. Pilin yanlış türde bir pille uygun olmayan şekilde değiştirilmesi korumayı geçersiz hale getirebilir (örneğin, bazı lityum pil türleri). Pili ateşe veya sıcak fırına atmayın veya pili mekanik olarak ezmeyin veya kesmeyin, bu patlamaya neden olabilir. Pili, patlamaya veya yanıcı sıvı veya gaz sızıntısına neden olabilecek çok yüksek sıcaklıktaki bir ortamda bırakmayın. Pili, patlamaya veya yanıcı sıvı veya gaz sızıntısına neden olabilecek aşırı düşük hava basıncına maruz bırakmayın. + simgesi kullanılan veya doğru akım üreten ekipmanın pozitif terminallerini belirtir. - simgesi kullanılan veya doğru

33

akım üreten ekipmanın negatif terminallerini belirtir.

Yangın Önleme
Ekipmanın üzerine yanan mum gibi açık alev kaynakları konulmamalıdır. Ekipmanın seri portu sadece hata ayıklama için kullanılır.

Sıcak Yüzey Önleme

DİKKAT: Sıcak parçalar! Parçaları tutuğunuzda parmaklarınız yanabilir. Kapattıktan sonra parçaları tutmadan önce bir buçuk saat bekleyin. Bu çıkartma, işaretli parçanın sıcak olabileceğini ve dikkat edilmeden dokunulmaması gerektiğini belirtmektedir. Bu çıkartmaya sahip olası parça için, bu cihaz sınırlı bir erişim konumuna kurulum için tasarlanmıştır, sadece servis personeli veya konuma uygulanan kısıtlamaların nedenleri ve alınması gereken önlemler hakkında bilgilendirilmiş kullanıcılar tarafından erişim sağlanabilir.

Kurulum
Ekipmanı bu kılavuzdaki talimatlara göre kurun. Yaralanmaları önlemek için bu ekipman kurulum talimatlarına göre zemine/duvara güvenli bir şekilde takılmalıdır. Ekipmanı asla sağlam olmayan bir yere yerleştirmeyin. Ekipmanın düşmesi ciddi kişisel yaralanmalara veya ölüme neden olabilir.

Güç Kaynağı
Çok Düşük Güvenlik Gerilimi (SELV) ile güç verilen cihaz: Güç kaynağı, IEC 60950-1 veya IEC 62368-1 standardına göre sınırlı güç kaynağı veya PS2 gereksinimlerini karşılamalıdır.
AC şebeke kaynağı gerilimiyle güç verilen cihaz: Ekipman toprağı bir elektrik prizine takılmalıdır. Ekipmanın dışında, kolayca erişilebilen uygun bir bağlantı kesme cihazı bulunacaktır. Binanın teknik özelliklerini aşmayan uygun bir aşırı akım koruyucu cihaz, ekipmanın dışına eklenecektir. Binanın elektrik tesisatına tümü kutuplu bir şebeke anahtarı dâhil edilmelidir. AC şebeke kaynağına bağlantı için terminallerin doğru kablo tesisatına sahip olduğundan emin olun. Binanın gerektiğinde BT güç dağıtım sistemine bağlanmak üzere değiştirilmiştir.

Beyaz Işıklı Aydınlatıcı (Destekleniyorsa)
Bu üründen muhtemel tehlikeli optik ışınım yayılabilir. Yanan ışık kaynağına doğrudan BAKMAYIN. Gözleriniz için zararlı olabilir. Uygun göz koruyucu kullanın veya kamerayı takarken, kurarken ya da kameraya bakım yaparken beyaz ışığı AÇMAYIN.

Ulaşım
Cihazı taşırken orijinal ambalajının veya benzer bir ambalajın içerisine koyun.

Sistem Güvenliği
Kurulumcu ve kullanıcı, parola ve güvenlik yapılandırmasından sorumludur.

Bakım
Ürün düzgün şekilde çalışmıyorsa lütfen bayiinizle veya en yakın servis merkeziyle iletişime geçin. Yetkisiz onarım veya bakımdan kaynaklanan sorunlar için herhangi bir sorumluluk kabul etmeyiz. Cihazın birkaç parçası (ör. Elektrolitik kapasitör) düzenli olarak değiştirilmelidir. Ortalama parça ömrü değişiklik göstermektedir bu nedenle periyodik kontrol önerilmektedir. Ayrıntılar için satıcınızla iletişime geçin.

Temizleme
Ürün kasasının iç ve dış yüzeylerini temizlerken yumuşak ve kuru bir bez kullanın. Alkalin deterjanlar kullanmayın.

Kullanma Ortamı
Herhangi bir lazer ekipmanı kullanılırken cihaz merceğinin, lazer ışınına maruz kalmadığından emin olun aksi takdirde yanabilir. Cihazı yüksek elektromanyetik radyasyona sahip veya tozlu ortamlarda BULUNDURMAYIN. Yalnızca iç mekanlarda kullanıma yönelik cihazları kuru ve iyi havalandırılan bir ortama yerleştirin. Lensi, güneşe veya herhangi bir parlak ışığa doğru tutmayın. Çalışma ortamının cihazın gereksinimlerini karşaladığından emin olun. Kamerayı aşırı sıcak, soğuk, tozlu veya nemli konumlara YERLEŞTİRMEYİN ve yüksek elektromanyetik radyasyona maruz bırakmayın.

Acil Durum
Cihazdan duman, koku veya ses geliyorsa hemen gücü kapatarak güç kablosunun bağlantısını kesin ve servis merkeziyle iletişime geçin.

Saat Senkronizasyonu
Yerel saat, ağın saatiyle senkronize değilse cihaz saatini ilk kez erişimde manuel olarak ayarlayın. Web tarama / istemci yazılımı ile cihaza giderek zaman ayarları arayüzüne girin.

Yansıma
Cihazın lensine çok yakın bir yansıtıcı yüzey olmadığından emin olun. Cihazdan gelen IR ışığı, lensin içine geri yansıyabilir ve bu durum görüntüde yansımaya neden olur.

Русский

Соответствие стандартам ЕС

Этот продукт и (если применяемый и) поставляемые аксессуары имеют маркировку CE и соответствуют применимым согласованным европейским стандартам, перечисленным в Директиве по электромагнитной совместимости EMC 2014/30/EU, Директиве по низковольтному оборудованию LVD 2014/35/EU и Директиве по ограничению использования опасных веществ RoHS 2011/65/EU, а устройство Wi-Fi соответствует Директиве по радиооборудованию 2014/53/EU RE.

ДИРЕКТИВА WEEE 2012/19/EU (по утилизации отходов электрического и электронного оборудования): продукты, отмеченные этим символом, запрещено утилизировать в Европейском союзе в качестве несортированных муниципальных отходов. Для надлежащей переработки возвратите этот продукт местному поставщику при покупке эквивалентного нового оборудования или утилизируйте его в предназначенных для этого пунктах сбора отходов. Для получения дополнительной информации см.:
www.recyclethis.info

34

Директива 2006/66/ЕС по обращению с батареями: этот продукт содержит батарею, которую запрещено утилизировать в Европейском союзе в качестве несортированных муниципальных отходов. Для получения точной информации о батарее см. документацию к продукту. Маркировка батареи может включать символы, которые определяют ее химический состав: кадмий (CD), свинец (Pb) или ртуть (Hg). Для надлежащей утилизации отнесите батарею местному поставщику или утилизируйте ее в специальных пунктах приема отходов. Для получения дополнительной информации см.: www.recyclethis.info

Инструкции по технике безопасности

Настоящие инструкции служат для обеспечения правильного использования продукта во избежание опасных ситуаций и материального ущерба.

Законодательные акты и нормативные документы

При использовании этого устройства необходимо соблюдать местное законодательство, правила безопасной эксплуатации электрооборудования и правила противопожарной безопасности.

Электрооборудование

Эксплуатация данного изделия должна выполняться в строгом соответствии с правилами безопасной эксплуатации электрооборудования, действующими в вашей стране и вашем регионе. Устройство не должно подвергаться воздействию капель и брызг; не допускается ставить на него предметы, наполненные жидкостью, например, вазы с цветами. В особых условиях, таких как горные вершины, металлические башни и лесные массивы, установите ограничитель перенапряжения на входе оборудования. ПРЕДУПРЕЖДЕНИЕ! Для снижения риска возникновения пожара используйте для замены предохранители только соответствующего типа и номинала.

Батарея

Не проглатывайте батарею. Опасность химического ожога! Устройство содержит плоскую круглую батарею. Если вы случайно проглотите эту батарею, это может вызвать серьезные ожоги внутренних органов и даже привести к летальному исходу через 2 часа. Храните новые и использованные батареи вдали от детей. Если отсек для батареи не закрывается достаточно плотно, прекратите эксплуатацию изделия и ограничьте доступ детей к нему. Если вы думаете, что батарея была проглочена или каким-либо другим образом проникла в организм, немедленно обратитесь к врачу. ПРЕДУПРЕЖДЕНИЕ! При установке батареи недопустимого типа существует риск взрыва. Утилизируйте использованные батареи в соответствии с инструкциями. Установка батареи недопустимого типа может создать угрозу для безопасности (например, в случае некоторых типов литиевых батарей). Не бросайте батарею в огонь или горячую печь, не сдавливайте и не разрезайте батарею, поскольку это может привести к взрыву. Нахождение батареи в среде с чрезвычайно высокой температурой может привести к взрыву или к утечке горючей жидкости или газа. Нахождение батареи в среде с чрезвычайно низким давлением воздуха может привести к взрыву или к утечке горючей жидкости или газа. + обозначает положительный контакт оборудования, который должен подключаться к источнику постоянного тока. - обозначает отрицательный контакт оборудования, который должен подключаться к источнику постоянного тока.
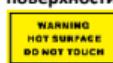
Предотвращение пожара

Не ставьте на устройство источники открытого огня, например горящие свечи. Последовательный порт оборудования предназначен только для отладки.

Предотвращение ожога из-за горячей поверхности

ПРЕДУПРЕЖДЕНИЕ! Горячие детали! Опасность ожога пальцев при обращении с деталями. Перед прикосновением к деталям устройства подождите полчаса после его выключения. Эта наклейка указывает на то, что данный компонент может быть горячим, и его нельзя трогать не предприняв соответствующих мер предосторожности. Устройства с такой наклейкой предназначены для размещения в закрытой зоне, доступ в которую должны иметь только обслуживающие специалисты или пользователи, знающие о причинах ограничения доступа в эту зону и осведомленные о необходимых мерах предосторожности.

Установка

Установите оборудование в соответствии с инструкциями, приведенными в настоящем руководстве. Во избежание травм устройство необходимо надежно закрепить на полу или стене согласно инструкциям по установке. Никогда не ставьте устройство на неустойчивую поверхность. Падение устройства на человека может стать причиной серьезных травм или смерти.

Электропитание

Если питание оборудования осуществляется безопасным сверхнизким напряжением, источник питания должен соответствовать требованиям к ограниченному напряжению питания или требованиям PS2 согласно стандарту IEC 60950-1 или IEC 62368-1. Если питание оборудования осуществляется напряжением от сети переменного тока, оборудование должно быть подключено к заземленной розетке. Снаружи корпуса оборудования необходимо установить подходящее легкодоступное устройство отключения. Снаружи корпуса оборудования необходимо установить подходящее устройство защиты от перегрузки по току, соответствующее техническим характеристикам электросистемы здания. В электросистеме здания должен быть установлен многополюсный сетевой выключатель. Проверьте правильность подключения клемм к сети переменного тока. Оборудование разработано таким образом, чтобы при необходимости его можно было модифицировать для подключения к ИТ-системе распределения электроэнергии.

Устройство подсветки белого света (если

35

поддерживается)
Данное изделие может испускать опасное оптическое излучение. ЗАПРЕЩАЕТСЯ смотреть на работающий источник света. Это может быть вредно для глаз. Во время сборки, установки или обслуживания камеры необходимо носить соответствующие средства защиты глаз и ЗАПРЕЩАЕТСЯ включать белый свет.

Транспортировка
Используйте оригинальную или схожую упаковку для транспортировки устройства.

Безопасность системы
Установщик и пользователь несут ответственность за задание пароля и настройку безопасности.

Техническое обслуживание
Если изделие не работает должным образом, обратитесь к дилеру или к специалистам ближайшего сервисного центра. Компания-изготовитель не несет ответственности за неисправности, возникшие в результате несанкционированного ремонта или технического обслуживания. Некоторые компоненты устройства (например, электролитические конденсаторы) требуют регулярной замены. Средний срок службы этих компонентов может различаться, поэтому советуем периодически их проверять. Подробности уточняйте у продавца.

Очистка
Для очистки внутренних и внешних поверхностей крышки изделия используйте мягкую сухую ткань. Запрещается использовать щелочные моющие средства.

Требования к рабочей среде
При использовании любого лазерного оборудования убедитесь, что в объектив устройства не попадает лазерный луч, иначе он может выгореть. ЗАПРЕЩАЕТСЯ устанавливать устройство в условиях воздействия сильного электромагнитного излучения или в пыльной среде. Устройство, предназначенное для установки внутри помещений, необходимо размещать в сухой и хорошо проветриваемой среде. Не направляйте объектив устройства на солнце или другие яркие источники света. Убедитесь, что рабочая среда удовлетворяет требованиям надлежащей работы устройства. ЗАПРЕЩАЕТСЯ устанавливать камеру в условиях воздействия экстремально высоких или низких температур, во влажной среде, а также в условиях воздействия сильного электромагнитного излучения.

Кнопка подачи экстренного сигнала тревоги
Если устройство испускает дым, неприятный запах или шум, незамедлительно отключите электропитание, извлеките шнур питания и обратитесь в сервисный центр.

Синхронизация времени
Если локальное время не было синхронизировано с сетевым временем, выполните ручную настройку времени устройства при первом доступе. Зайдите на устройство через веб-браузере/программное обеспечение клиента и перейдите к интерфейсу настройки времени.

Отражение
Убедитесь, что в непосредственной близости от объектива устройства нет отражающей поверхности. Инфракрасный свет от устройства может отразиться обратно в объектив, что приведет к засветке.

Заява про відповідність стандартам ЄС

$C\epsilon$

Цей виріб та – за необхідності – також комплектуючі, що постачаються, позначені знаком "СЕ", що означає їх відповідність застосовним гармонізованим європейським стандартам, що перелічені у Директиві EMC 2014/30/EU, Директиві про низьковольтне обладнання 2014/35/EU, Директиві RoHS 2011/65/EU, пристрій Wi-Fi: у Директиві RE 2014/53/EU

2012/19/EU (Директива з утилізації електричного й електронного обладнання, WEEE): Вироби, помічені цим символом, не можна утилізувати у Європейському Союзі як несортовані побутові відходи. Щоб забезпечити правильну переробку цього виробу, поверніть його місцевому постачальнику під час придбання аналогічного нового обладнання, або здайте його до спеціально призначеного пункту збирання відходів. Більше інформації див. на сайті: www.recyclethis.info

2006/66/EC (Директива щодо акумуляторів): Цей виріб містить батарейку, яку не можна утилізувати у Європейському Союзі як несортовані побутові відходи. Інформацію щодо батарейки див. у документації до виробу. Батарейка помічена цим символом, який може включати букви, які вказують на наявність кадмію (Cd), свинцю (Pb) або ртуті (Hg). Щоб забезпечити правильну переробку батарейки, поверніть її постачальнику або здайте до спеціально призначеного пункту збирання відходів. Більше інформації див. на сайті: www.recyclethis.info

Вказівки з техніки безпеки
Ці інструкції дозволять користувачу використовувати виріб правильно та уникати небезпеки чи пошкодження майна.

Закони та норми
Пристрій слід використовувати з дотриманням місцевих законів, електротехнічних норм та правил протипожежної безпеки.

Електрика
Під час експлуатації виробу мають суворо дотримуватися державні та місцеві правила електричної безпеки. Не допускайте потрапляння на обладнання крапель чи бризок. Ніколи не ставте на обладнання предмети, наповнені рідиною, як-от вази. Якщо

обладнання розміщується на вершині гори, залізної башти чи у лісі, встановіть на вході обмежувач напруги. ОБЕРЕЖНО! Для зменшення ризику пожежі замінюйте лише на запобіжник такого ж типу і з такими ж характеристиками.

Акумулятор
Не ковтайте батарею. Небезпека хімічних опіків! У цьому виробі встановлена батарейка-таблетка. Якщо проковтнути батарейку-таблетку, це може викликати серйозні внутрішні опіки всього за 2 години й навіть призвести до смерті. Тримайте нові й використані батарейки у недоступному для дітей місці. Якщо відсік для батарейки не закривається належним чином, припиніть користуватися виробом і покладіть його у недоступне для дітей місце. Якщо існує ймовірність того, що батарейку проковтнули або вона знаходиться всередині тіла людини, негайно зверніться по медичну допомогу. ОБЕРЕЖНО: Якщо замінити батарейку на батарейку неправильного типу, виникає ризик вибуху. Утилізуйте використані батарейки згідно з інструкціями. Заміна батарейки на батарейку неправильного типу може зашкодити охороні (наприклад, у разі деяких літієвих батарейок). Не кидайте батарейку у вогонь або у гарячу піч і не розбивайте та не розрізуйте батарейку. Це може призвести до вибуху. Не залишайте батарейку у місцях з дуже високою температурою. Це може призвести до вибуху або витоку вогненебезпечної рідини або газу. Не залишайте батарейку у місцях з дуже низьким атмосферним тиском. Це може призвести до вибуху або витоку вогненебезпечної рідини або газу. + позначає позитивну клему(и) обладнання, що використовує постійний струм чи генерує його. - позначає негативну клему(и) обладнання, що використовує постійний струм чи генерує його.

Запобігання пожежі
Забороняється розміщувати на обладнанні джерела відкритого вогню, як-от свічки, які горять. Послідовний порт обладнання використовується лише для налагодження.

Попередження про гарні поверхні

ОБЕРЕЖНО: Гарячі деталі! Будьте обережні, щоб не обпекти пальці о деталі. Після вимикання живлення зачекайте півгодини, перш ніж торкатися цих деталей. Ця етикетка означає, що деталь може нагріватися, і тому її не слід торкатися, не перевіривши. Якщо пристрій має таку етикетку, він призначений для встановлення в місці з обмеженим доступом. Доступ до такого місця може надаватися лише працівникам сервісної служби або користувачам, яким роз'яснено причини таких обмежень і заходи безпеки, яких вони мають вжити.

Установлення
Встановіть обладнання відповідно до вказівок у цій інструкції. Щоб уникнути травм, це обладнання слід надійно закріпити на підлозі/стіні відповідно до вказівок щодо встановлення. Ніколи не розміщуйте обладнання на хиткій поверхні. Обладнання може впасти, що може призвести до серйозної травми або смерті.

Живлення

Якщо пристрій живиться від джерела безпечної надзвичайно надлишкової напруги (БННН): Джерело живлення згідно зі стандартом IEC 60950-1 або IEC 62368-1 має відповідати вимогам щодо джерела обмеженої потужності або PS2. Якщо пристрій живиться від електромережі змінного струму: Обладнання слід підключати до електричної розетки із заземленням. Відповідний легкодоступний роз'єднувальний пристрій має бути під'єднаний зовні обладнання. Відповідний захисний пристрій від перенапруги має бути під'єднаний зовні обладнання, без перевищення технічних характеристик будівлі. Електромережа будівлі має бути обладнана вимикачем живлення з вимиканням усіх полюсів. Виконайте правильне підключення дротів від клем пристрою до розетки живлення змінним струмом. Обладнання спроектоване, а коли це необхідно, змінено для розподіленого живлення або комп'ютерної системи розподіленого живлення.

Джерело білого світла (за наявності)
Даний виріб може здійснювати безпечне оптичне випромінювання. НЕ ДИВІТЬСЯ на увімкнене джерело світла. Це може нашкодити очам. Використовуйте належні засоби захисту органів зору та НЕ ВМИКАЙТЕ біле світло під час збирання, встановлення або технічного обслуговування камери.

Транспортування
Під час транспортування зберігайте пристрій в оригінальному або подібному пакуванні.

Безпека системи
Відповідальність за встановлення паролів і налаштування безпеки несуть установник та користувач.

Технічне обслуговування
Якщо виріб не працює належним чином, зверніться до вашого дилера або найближчого сервісного центру. Ми не несемо жодної відповідальності за проблеми, які виникли внаслідок недозволеного ремонту чи догляду. Пристрій містить декілька компонентів (напр., електролітичний конденсатор), які необхідно регулярно заміняти. Середній термін служби різниться, тому рекомендується регулярно перевіряти ці компоненти. Для додаткової інформації звертайтеся до вашого дилера.

Чищення
Використовуйте м'яку та суху тканину для протирання внутрішніх і зовнішніх поверхонь виробу. Не використовуйте лужні миючі засоби.

Умови експлуатації
Під час експлуатації будь-якого лазерного обладнання слідкуйте за тим, щоб лазерний промінь не потрапляв на об'єктив пристрою, адже це може призвести до його перегрівання. НЕ ДОПУСКАЙТЕ потрапляння пристрою в середовище із сильним електромагнітним випромінюванням чи на лазерне середовище. Цей пристрій призначений виключно для використання у приміщенні, тому розміщуйте його в сухому середовищі з належною вентиляцією. НЕ СПРЯМОВУЙТЕ об'єктив на сонце або інші джерела яскравого світла. Переконайтеся, що середа використання відповідає умовам експлуатації пристрою. НЕ РОЗМІЩУЙТЕ камеру у місцях з надзвичайно високою або низькою температурою чи місцях з високим рівнем запиленості або вологості, та захищайте камеру від сильного

електромагнітного випромінювання.

Аварійні ситуації
Якщо пристрій випускає дим, запах або шум, негайно вимкніть живлення, від'єднайте кабель живлення та зверніться в сервісний центр.

Синхронізація часу
Під час першого використання встановіть час пристрою вручну, якщо він не синхронізувався за мережею. Перейдіть до пристрою за допомогою браузера/клієнтського програмного забезпечення та перейдіть до інтерфейсу налаштувань часу.

Відображення
Переконайтесь, що поблизу з об'єктивом пристрою немає дзеркальних поверхонь. ІЧ світло з пристрою може віддзеркалитись в об'єктив та призвести до відсвічування.

See Far, Go Further

Network Camera

User Manual

Initiatives on the Use of Video Products

Thank you for choosing Hikvision products.

Technology affects every aspect of our life. As a high-tech company, we are increasingly aware of the role technology plays in improving business efficiency and quality of life, but at the same time, the potential harm of its improper usage. For example, video products are capable of recording real, complete and clear images. This provides a high value in retrospect and preserving real-time facts. However, it may also result in the infringement of a third party's legitimate rights and interests if improper distribution, use and/or processing of video data takes place. With the philosophy of "Technology for the Good", Hikvision requests that every end user of video technology and video products shall comply with all the applicable laws and regulations, as well as ethical customs, aiming to jointly create a better community.

Please read the following initiatives carefully:

- Everyone has a reasonable expectation of privacy, and the installation of video products should not be in conflict with this reasonable expectation. Therefore, a warning notice shall be given in a reasonable and effective manner and clarify the monitoring range, when installing video products in public areas. For non-public areas, a third party's rights and interests shall be evaluated when installing video products, including but not limited to, installing video products only after obtaining the consent of the stakeholders, and not installing highly-invisible video products.
- The purpose of video products is to record real activities within a specific time and space and under specific conditions. Therefore, every user shall first reasonably define his/her own rights in such specific scope, in order to avoid infringing on a third party's portraits, privacy or other legitimate rights.
- During the use of video products, video image data derived from real scenes will continue to be generated, including a large amount of biological data (such as facial images), and the data could be further applied or reprocessed. Video products themselves could not distinguish good from bad regarding how to use the data based solely on the images captured by the video products. The result of data usage depends on the method and purpose of use of the data controllers. Therefore, data controllers shall not only comply with all the applicable laws and regulations and other normative requirements, but also respect international norms, social morality, good morals, common practices and other non-mandatory requirements, and respect individual privacy, portrait and other rights and interests.
- The rights, values and other demands of various stakeholders should always be considered when processing video data that is continuously generated by video products. In this regard, product security and data security are extremely crucial. Therefore, every end user and data controller, shall undertake all reasonable and necessary measures to ensure data security and avoid data leakage, improper disclosure and improper use, including but not limited to, setting up access

control, selecting a suitable network environment (the Internet or Intranet) where video products are connected, establishing and constantly optimizing network security.

- Video products have made great contributions to the improvement of social security around the world, and we believe that these products will also play an active role in more aspects of social life. Any abuse of video products in violation of human rights or leading to criminal activities are contrary to the original intent of technological innovation and product development. Therefore, each user shall establish an evaluation and tracking mechanism of their product application to ensure that every product is used in a proper and reasonable manner and with good faith.

Legal Information

©2022 Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (***https://www.hikvision.com/***).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

Trademarks

HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.

Other trademarks and logos mentioned are the properties of their respective owners.

Disclaimer

DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Update Firmware

For better user experience, we recommend you to update your device to the latest firmware asap.

Please get the latest firmware package from the official website or the local technical expert. For more information, please visit the official website: ***https://www.hikvision.com/en/support/ download/firmware/*** .

For the upgrading settings, refer to ***Upgrade*** .

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
⚠ **Danger**	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
⚠ **Caution**	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
📖 **Note**	Provides additional information to emphasize or supplement important points of the main text.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

Laws and Regulations

- The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

Electricity

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
- Provide a surge suppressor at the inlet opening of the equipment under special conditions such as the mountain top, iron tower, and forest.
- CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.
- The equipment must be connected to an earthed mains socket-outlet.
- An appropriate readily accessible disconnect device shall be incorporated external to the equipment.
- An appropriate overcurrent protective device shall be incorporated external to the equipment, not exceeding the specification of the building.
- An all-pole mains switch shall be incorporated in the electrical installation of the building.
- Ensure correct wiring of the terminals for connection to an AC mains supply.
- The equipment has been designed, when required, modified for connection to an IT power distribution system.

Battery

- Do not ingest battery. Chemical burn hazard!
- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- ATTENTION: IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS.

- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.

Fire Prevention

- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The serial port of the equipment is used for debugging only.

Hot Surface Prevention

- CAUTION: Hot parts! Burned fingers when handling the parts. Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

Installation

- Install the equipment according to the instructions in this manual.
- To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
- Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.

Power Supply

- The input voltage should conform to IEC60950-1 standard: SELV (Safety Extra Low Voltage) and the Limited Power Source. Refer to the appropriate documentation for detailed information.
- The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.
- DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.
- Make sure the plug is properly connected to the power socket.

White Light Illuminator (If supported)

- Possibly hazardous optical radiation emitted from this product.
- DO NOT stare at operating light source. May be harmful to the eyes.
- Wear appropriate eye protection or DO NOT turn on the white light when you assemble, install or maintain the camera.

Transportation

- Keep the device in original or similar packaging while transporting it.

System Security

- The installer and user are responsible for password and security configuration.

Maintenance

- If the product does not work properly, please contact your dealer or the nearest service center.
- We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.

Cleaning

- Please use a soft and dry cloth when clean inside and outside surfaces of the product cover. Do not use alkaline detergents.

Using Environment

- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.
- For indoor-only device, place it in a dry and well-ventilated environment.
- DO NOT aim the lens at the sun or any other bright light.
- Make sure the running environment meets the requirement of the device. The operating temperature shall be -30 °C to 60 °C (-22 °F to 140 °F), and the operating humidity shall be 95% or less (no condensing).
- DO NOT place the camera in extremely hot, cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.

Emergency

- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Time Synchronization

- Set up device time manually for the first time access if the local time is not synchronized with that of the network. Visit the device via Web browse/client software and go to time settings interface.

Reflection

- Make sure that no reflective surface is too close to the device lens. The IR light from the device may reflect back into the lens causing reflection.

Contents

Chapter 1 System Requirement

Your computer should meet the requirements for proper visiting and operating the product.

Operating System	Microsoft Windows XP SP1 and above version
CPU	2.0 GHz or higher
RAM	1G or higher
Display	1024×768 resolution or higher
Web Browser	Internet Explorer 8.0 and above version, Mozilla Firefox 30.0 to 51, and Google Chrome 31 to 51

Chapter 2 Device Activation and Accessing

To protect the security and privacy of the user account and data, you should set a login password to activate the device when access the device via network.

📖**Note**

Refer to the user manual of the software client for the detailed information about the client software activation.

2.1 Activate the Device via SADP

Search and activate the online devices via SADP software.

Before You Start
Access www.hikvision.com to get SADP software to install.

Steps
1. Connect the device to network using the network cable.
2. Run SADP software to search the online devices.
3. Check **Device Status** from the device list, and select **Inactive** device.
4. Create and input the new password in the password field, and confirm the password.

⚠️**Caution**

We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

5. Click **OK**.

   Device Status changes into **Active**.
6. **Optional:** Change the network parameters of the device in **Modify Network Parameters**.

2.2 Activate the Device via Browser

You can access and activate the device via the browser.

Steps
1. Connect the device to the PC using the network cables.
2. Change the IP address of the PC and device to the same segment.

ⓘNote

The default IP address of the device is 192.168.1.64. You can set the IP address of the PC from 192.168.1.2 to 192.168.1.253 (except 192.168.1.64). For example, you can set the IP address of the PC to 192.168.1.100.

3. Input *192.168.1.64* in the browser.
4. Set device activation password.

⚠Caution

We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

5. Click **OK**.
6. Input the activation password to log in to the device.
7. **Optional:** Go to **Configuration → Network → Basic → TCP/IP** to change the IP address of the device to the same segment of your network.

2.3 Login

Log in to the device via Web browser.

2.3.1 Plug-in Installation

Certain operation systems and web browser may restrict the display and operation of the camera function. You should install plug-in or complete certain settings to ensure normal display and operation. For detailed restricted function, refer to the actual device.

Operating System	Web Browser	Operation
Windows	• Internet Explorer 8+ • Google Chrome 57 and earlier version • Mozilla Firefox 52 and earlier version	Follow pop-up prompts to complete plug-in installation.
	• Google Chrome 57+ • Mozilla Firefox 52+	Click 🔧 Download Plug-in to download and install plug-in.
Mac OS	• Google Chrome 57+ • Mozilla Firefox 52+ • Mac Safari 16+	Plug-in installation is not required.

Operating System	Web Browser	Operation
		Go to **Configuration → Network → Advanced Settings → Network Service** to enable WebSocket or Websockets for normal view. Display and operation of certain functions are restricted. For example, Playback and Picture are not available. For detailed restricted function, refer to the actual device.

[i]**Note**

The camera only supports Windows and Mac OS system and do not support Linux system.

2.3.2 Admin Password Recovery

If you forget the admin password, you can reset the password by clicking **Forget Password** on the login page after completing the account security settings.

You can reset the password by setting the security question or email.

[i]**Note**

When you need to reset the password, make sure that the device and the PC are on the same network segment.

Security Question

You can set the account security during the activation. Or you can go to **Configuration → System → User Management** , click **Account Security Settings**, select the security question and input your answer.
You can click **Forget Password** and answer the security question to reset the admin password when access the device via browser.

Email

You can set the account security during the activation. Or you can go to **Configuration → System → User Management** , click **Account Security Settings**, input your email address to receive the verification code during the recovering operation process.

2.3.3 Illegal Login Lock

It helps to improve the security when accessing the device via Internet.

Go to **Configuration → System → Security → Security Service** , and enable **Enable Illegal Login Lock**. **Illegal Login Attempts** and **Locking Duration** are configurable.

Illegal Login Attempts

When your login attempts with the wrong password reach the set times, the device is locked.

Locking Duration

The device releases the lock after the setting duration.

Chapter 3 Live View

It introduces the live view parameters, function icons and transmission parameters settings.

3.1 Live View Parameters

The supported functions vary depending on the model.

3.1.1 Enable and Disable Live View

This function is used to quickly enable or disable live view of the channel.

- Click ▶ to start the live view.
- Click ■ to stop the live view.

3.1.2 Adjust Aspect Ratio

Steps
1. Click **Live View**.
2. Click ▦ to select the aspect ratio.
   - ⊞ refers to 4:3 window size.
   - ⊞ refers to 16:9 window size.
   - ▣ refers to original window size.
   - ▣ refers to self-adaptive window size.
   - ▣ refers to original ratio window size.

3.1.3 Live View Stream Type

Select the live view stream type according to your needs. For the detailed information about the stream type selection, refer to **_Stream Type_** .

3.1.4 Select the Third-Party Plug-in

When the live view cannot display via certain browsers, you can change the plug-in for live view according to the browser.

Steps
1. Click **Live View**.
2. Click ◉ to select the plug-in.

- When you access the device via Internet Explorer, you can select Webcomponents or QuickTime.
- When you access the device via the other browsers, you can select Webcomponents, QuickTime, VLC or MJPEG.

3.1.5 Window Division

- ☐ refers to 1 × 1 window division.
- ⊞ refers to 2 × 2 window division.
- ⊞ refers to 3 × 3 window division.
- ⊞ refers to 4 × 4 window division.

3.1.6 Light

Click ☀ to turn on or turn off the illuminator.

3.1.7 Count Pixel

It helps to get the height and width pixel of the selected region in the live view image.

Steps
1. Click ⌐ to enable the function.
2. Drag the mouse on the image to select a desired rectangle area.

   The width pixel and height pixel are displayed on the bottom of the live view image.

3.1.8 Start Digital Zoom

It helps to see a detailed information of any region in the image.

Steps
1. Click ⊕ to enable the digital zoom.
2. In live view image, drag the mouse to select the desired region.
3. Click in the live view image to back to the original image.

3.1.9 Auxiliary Focus

It is used for motorized device. It can improve the image if the device cannot focus clearly.

For the device that supports ABF, adjust the lens angle, then focus and click ABF button on the device. The device can focus clearly.

Click ⊡ to focus automatically.

Note

- If the device cannot focus with auxiliary focus, you can use ***Lens Initialization*** , then use auxiliary focus again to make the image clear.
- If auxiliary focus cannot help the device focus clearly, you can use manual focus.

3.1.10 Lens Initialization

Lens initialization is used on the device equipped with motorized lens. The function can reset lens when long time zoom or focus results in blurred image. This function varies according to different models.

Manual Lens Initialization

Click ⦾ to operate lens initialization.

Auto Lens Initialization

Go to **Configuration → System → Maintenance → Lens Correction** to enable this function. You can set the arming schedule, and the device will correct lens automatically during the configured time periods.

3.1.11 Quick Set Live View

It offers a quick setup of PTZ, display settings, OSD, video/audio and VCA resource settings on live view page.

Steps

1. Click ▌ to show quick setup page.
2. Set PTZ, display settings, OSD, video/audio and VCA resource parameters.
   - For PTZ settings, see ***Lens Parameters Adjustment*** .
   - For display settings, see ***Display Settings*** .
   - For OSD settings, see ***OSD*** .
   - For audio and video settings, see ***Video and Audio*** .
   - For VCA settings, see ***Allocate VCA Resource*** .

   ### Note

   The function is only supported by certain models.

3.1.12 Lens Parameters Adjustment

It is used to adjust the lens focus, zoom and iris.

Zoom

- Click $\boxed{a}^{+}$, and the lens zooms in.
- Click $\boxed{a}^{-}$, and the lens zooms out.

Focus

- Click $\boxed{\Box}$, then the lens focuses far and the distant object gets clear.
- Click $\boxed{\Box}$, then the lens focuses near and the nearby object gets clear.

PTZ Speed

- Slide ▬▬▬○▬▬▬▢ to adjust the speed of the pan/tilt movement.

Iris

- When the image is too dark, click $\circ$ to enlarge the iris.
- When the image is too bright, click $\circ$ to stop down the iris.

PTZ Lock

PTZ lock means to disable the zoom, focus and PTZ rotation functions of the corresponding channel, so that to reduce the target missing caused by PTZ adjustment.

Go to **Configuration → PTZ** , check**Enable PTZ Lock**, and click **Save**.

3.1.13 Conduct 3D Positioning

3D positioning is to relocate the selected area to the image center.

Steps

1. Click $\oplus$ to enable the function.

2. Select a target area in live image.
   - Left click on a point on live image: the point is relocated to the center of the live image. With no zooming in or out effect.
   - Hold and drag the mouse to a lower right position to frame an area on the live: the framed area is zoomed in and relocated to the center of the live image.
   - Hold and drag the mouse to an upper left position to frame an area on the live: the framed area is zoomed out and relocated to the center of the live image.

3. Click the button again to turn off the function.

3.2 Set Transmission Parameters

The live view image may be displayed abnormally according to the network conditions. In different network environments, you can adjust the transmission parameters to solve the problem.

Steps

1. Go to **Configuration → Local** .

2. Set the transmission parameters as required.

Protocol

TCP

TCP ensures complete delivery of streaming data and better video quality, yet the real-time transmission will be affected. It is suitable for the stable network environment.

UDP

UDP is suitable for the unstable network environment that does not demand high video fluency.

MULTICAST

MULTICAST is suitable for the situation that there are multiple clients. You should set the multicast address for them before selection.

Note

For detailed information about multicast, refer to _**Multicast**_ .

HTTP

HTTP is suitable for the situation that the third-party needs to get the stream from the device.

Play Performance

Shortest Delay

The device takes the real-time video image as the priority over the video fluency.

Balanced

The device ensures both the real-time video image and the fluency.

Fluent

The device takes the video fluency as the priority over teal-time. In poor network environment, the device cannot ensures video fluency even the fluency is enabled.

Custom

You can set the frame rate manually. In poor network environment, you can reduce the frame rate to get a fluent live view. But the rule information may cannot display.

3. Click **OK**.

3.3 Set Smooth Streaming

It is a function to tackle the latency and network congestion caused by unstable network condition, and keep the live view stream on the web browser or the client software smooth.

Before You Start

Add the device to your client software and select NPQ protocol in client software before configuring the smooth streaming function.

Be sure that the **Bitrate Type** is selected as **Constant** and the **SVC** is selected as **OFF** before enabling the function. Go to **Configuration → Video/Audio → Video** to set the parameters.

Steps

1. Go to the settings page: **Configuration → Network → Advanced Settings → Smooth Streaming** .

2. Check **Enable Smooth Streaming**.

3. Select the mode for smooth streaming.

Auto	The resolution and bitrate are adjusted automatically and resolution takes the priority. The upper limits of these two parameters will not exceed the values you set on **Video** page. Go to **Configuration → Video/Audio → Video** , set the **Resolution** and **Max. Bitrate** before you enable smooth streaming function. In this mode, the frame rate will be adjusted to the maximum value automatically.
Resolution Priority	The resolution stays the same as the set value on **Video** page, and the bitrate will be adjusted automatically. Go to **Configuration → Video/Audio → Video** , set the **Max. Bitrate** before you enable smooth streaming function. In this mode, the framerate will be adjusted to the maximum value automatically.
Frame Rate Priority	The image is still smooth even under the poor network, while the image quality may be not good.
Error Correction	The resolution and bitrate stay the same as the set values on **Video** page. The mode is used to correct the data error during transmission to ensure the image quality. You can set the **Error Correction Proportion** within range of 0-100.
	When the proportion is 0, the data error will be corrected by data retransmission. When the proportion is higher than 0, the error data will be corrected via redundant data that is added to the stream and data retransmission. The higher the value is, the more redundant date will be generated, the more data error would be corrected, but the larger bandwidth would be required. When the proportion is 100, the redundant data will be as large as the original data, and the bandwidth is twice required.

[i]**Note**

Be sure the bandwidth is sufficient in the Error Correction mode.

4. Save the settings.

Chapter 4 Video and Audio

This part introduces the configuration of video and audio related parameters.

4.1 Video Settings

This part introduces the settings of video parameters, such as, stream type, video encoding, and resolution.

Go to setting page: **Configuration → Video/Audio → Video** .

4.1.1 Stream Type

For device supports more than one stream, you can specify parameters for each stream type.

Main Stream

The stream stands for the best stream performance the device supports. It usually offers the best resolution and frame rate the device can do. But high resolution and frame rate usually means larger storage space and higher bandwidth requirements in transmission.

Sub Stream

The stream usually offers comparatively low resolution options, which consumes less bandwidth and storage space.

Other Streams

Steams other than the main stream and sub stream may also be offered for customized usage.

Set Custom Video

You can set up additional video streams if required. For custom video streams, you can preview them, but cannot record or play back them.

Steps

🛈**Note**

- The function is only supported by certain camera models.
- After restoring the device (not restore to default settings), quantity of custom video streams and their names are kept, but the related parameters are restored.

1. Click + to add a stream.
2. Change the stream name as needed.

⌊**i**⌋**Note**

Up to 32 letters and symbols (except &, <, >, ', or ") are allowed for the stream name.

3. Customize the stream parameters (resolution, frame rate, max. bitrate, video encoding).

4. Optional: Add stream description as needed.

5. Optional: If a custom stream is not needed, click × to delete it.

6. Click **Save**.

4.1.2 Video Type

Select the content (video and audio) that should be contained in the stream.

Video

Only video content is contained in the stream.

Video & Audio

Video content and audio content are contained in the composite stream.

4.1.3 Resolution

Select video resolution according to actual needs. Higher resolution requires higher bandwidth and storage.

4.1.4 Bitrate Type and Max. Bitrate

Constant Bitrate

It means that the stream is compressed and transmitted at a comparatively fixed bitrate. The compression speed is fast, but mosaic may occur on the image.

Variable Bitrate

It means that the device automatically adjust the bitrate under the set **Max. Bitrate**. The compression speed is slower than that of the constant bitrate. But it guarantees the image quality of complex scenes.

4.1.5 Video Quality

When **Bitrate Type** is set as Variable, video quality is configurable. Select a video quality according to actual needs. Note that higher video quality requires higher bandwidth.

4.1.6 Frame Rate

The frame rate is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps).

A higher frame rate is advantageous when there is movement in the video stream, as it maintains image quality throughout. Note that higher frame rate requires higher bandwidth and larger storage space.

4.1.7 Video Encoding

It stands for the compression standard the device adopts for video encoding.

⃞ⁱNote

Available compression standards vary according to device models.

H.264

H.264, also known as MPEG-4 Part 10, Advanced Video Coding, is a compression standard. Without compressing image quality, it increases compression ratio and reduces the size of video file than MJPEG or MPEG-4 Part 2.

H.264+

H.264+ is an improved compression coding technology based on H.264. By enabling H.264+, you can estimate the HDD consumption by its maximum average bitrate. Compared to H.264, H.264+ reduces storage by up to 50% with the same maximum bitrate in most scenes.

When H.264+ is enabled, **Max. Average Bitrate** is configurable. The device gives a recommended max. average bitrate by default. You can adjust the parameter to a higher value if the video quality is less satisfactory. Max. average bitrate should not be higher than max. bitrate.

⃞ⁱNote

When H.264+ is enabled, **Video Quality**, **I Frame Interval**, **Profile**, **SVC**, **Main Stream Smoothing** and **ROI** are not supported.

H.265

H.265, also known as High Efficiency Video Coding (HEVC) and MPEG-H Part 2, is a compression standard. In comparison to H.264, it offers better video compression at the same resolution, frame rate and image quality.

H.265+

H.265+ is an improved compression coding technology based on H.265. By enabling H.265+, you can estimate the HDD consumption by its maximum average bitrate. Compared to H.265, H.265+ reduces storage by up to 50% with the same maximum bitrate in most scenes.

When H.265+ is enabled, **Max. Average Bitrate** is configurable. The device gives a recommended max. average bitrate by default. You can adjust the parameter to a higher value if the video quality is less satisfactory. Max. average bitrate should not be higher than max. bitrate.

[i]**Note**

When H.265+ is enabled, **Video Quality**, **I Frame Interval**, **Profile** and **SVC** are not configurable.

I-Frame Interval

I-frame interval defines the number of frames between 2 I-frames.

In H.264 and H.265, an I-frame, or intra frame, is a self-contained frame that can be independently decoded without any reference to other images. An I-frame consumes more bits than other frames. Thus, video with more I-frames, in other words, smaller I-frame interval, generates more steady and reliable data bits while requiring more storage space.

SVC

Scalable Video Coding (SVC) is the name for the Annex G extension of the H.264 or H.265 video compression standard.

The objective of the SVC standardization has been to enable the encoding of a high-quality video bitstream that contains one or more subset bitstreams that can themselves be decoded with a complexity and reconstruction quality similar to that achieved using the existing H.264 or H.265 design with the same quantity of data as in the subset bitstream. The subset bitstream is derived by dropping packets from the larger bitstream.

SVC enables forward compatibility for older hardware: the same bitstream can be consumed by basic hardware which can only decode a low-resolution subset, while more advanced hardware will be able decode high quality video stream.

MPEG4

MPEG4, referring to MPEG-4 Part 2, is a video compression format developed by Moving Picture Experts Group (MPEG).

MJPEG

Motion JPEG (M-JPEG or MJPEG) is a video compression format in which intraframe coding technology is used. Images in a MJPEG format is compressed as individual JPEG images.

Profile

This function means that under the same bitrate, the more complex the profile is, the higher the quality of the image is, and the requirement for network bandwidth is also higher.

4.1.8 Smoothing

It refers to the smoothness of the stream. The higher value of the smoothing is, the better fluency of the stream will be, though, the video quality may not be so satisfactory. The lower value of the smoothing is, the higher quality of the stream will be, though it may appear not fluent.

4.2 ROI

ROI (Region of Interest) encoding helps to discriminate the ROI and background information in video compression. The technology assigns more encoding resource to the region of interest, thus to increase the quality of the ROI whereas the background information is less focused.

4.2.1 Set ROI

ROI (Region of Interest) encoding helps to assign more encoding resource to the region of interest, thus to increase the quality of the ROI whereas the background information is less focused.

Before You Start
Please check the video coding type. ROI is supported when the video coding type is H.264 or H. 265.

Steps
1. Go to **Configuration → Video/Audio → ROI** .
2. Check **Enable**.
3. Select **Stream Type**.
4. Select **Region No.** in **Fixed Region** to draw ROI region.
   1) Click **Draw Area**.
   2) Click and drag the mouse on the view screen to draw the fixed region.
   3) Click **Stop Drawing**.

> 🛈**Note**
> Select the fixed region that needs to be adjusted and drag the mouse to adjust its position.

5. Input the **Region Name** and **ROI Level**.
6. Click **Save**.

> 🛈**Note**
> The higher the ROI level is, the clearer the image of the detected region is.

7. **Optional:** Select other region No. and repeat the above steps if you need to draw multiple fixed regions.

4.2.2 Set Face Tracking ROI

When the face tracking function is enabled in ROI and the face appears in the live picture, the image of the face is clearer than that of the surrounding area.

Steps
1. Go to the ROI setting page: **Configuration → Video/Audio → ROI** .
2. Check **Enable Face Tracking**.
3. Select **ROI Level** in **Dynamic Region**.

> 🛈**Note**
> ROI level means the image quality enhancing level. The larger the value is, the better the image quality would be.

4. Click **Save**.

4.2.3 Set Target Tracking ROI

The moving target is clearer than other areas in live image or recordings after enabling the function.

Before You Start
Go to **Configuration → PTZ → Smart Tracking** to complete the smart tracking settings.

Steps
1. Go to **Configuration → Video/Audio → ROI** .
2. Check **Enable Target Tracking**.
3. Set **ROI Level** for target tracking. The higher the value is, the clearer the target is.
4. Click **Save**.

4.2.4 Set License Plate Tracking ROI

When the license plate tracking ROI function is enabled and the license plate appears in the live picture, the image of the license plate is clearer than that of the surrounding area.

Steps
1. Go to the ROI setting page: **Configuration → Video/Audio → ROI** .
2. Check **Enable License Plate Tracking**.
3. Select **ROI Level** in **Dynamic Region**.

> **⌷i̇ Note**
> ROI level means the image quality enhancing level. The larger the value is, the better the image quality would be.

4. Click **Save**.

4.3 Display Info. on Stream

The information of the objects (e.g. human, vehicle, etc.) is marked in the video stream. You can set rules on the connected rear-end device or client software to detect the events including line crossing, intrusion, etc.

Steps
1. Go to the setting page: **Configuration → Video/Audio → Display Info. on Stream** .
2. Check **Enable Dual-VCA**.
3. Click **Save**.

4.4 Audio Settings

It is a function to set audio parameters such as audio encoding, environment noise filtering.

Go to the audio settings page: **Configuration → Video/Audio → Audio** .

4.4.1 Audio Encoding

Select the audio encoding compression of the audio.

4.4.2 Audio Input

⌊i⌉**Note**

- Connect the audio input device as required.
- The audio input display varies with the device models.

LineIn	Set **Audio Input** to **LineIn** when the device connects to the audio input device with the high output power, such as MP3, synthesizer or active pickup.
MicIn	Set **Audio Input** to **MicIn** when the device connects to the audio input device with the low output power, such as microphone or passive pickup.

4.4.3 Audio Output

⌊i⌉**Note**

Connect the audio output device as required.

It is a switch of the device audio output. When it is disabled, all the device audio cannot output. The audio output display varies with the device modes.

4.4.4 Environmental Noise Filter

Set it as OFF or ON. When the function is enabled, the noise in the environment can be filtered to some extent.

4.5 Two-way Audio

It is used to realize the two-way audio function between the monitoring center and the target in the monitoring screen.

Before You Start

- Make sure the audio input device (pick-up or microphone) and audio output device (speaker) connected to the device is working properly. Refer to specifications of audio input and output devices for device connection.
- If the device has built-in microphone and speaker, two-way audio function can be enabled directly.

Steps
1. Click **Live View**.

2. Click 🎤 on the toolbar to enable two-way audio function of the camera.

3. Click 🎤 , disable the two-way audio function.

4.6 Display Settings

It offers the parameter settings to adjust image features.

Go to **Configuration → Image → Display Settings** .
Click **Default** to restore settings.

4.6.1 Scene Mode

There are several sets of image parameters predefined for different installation environments. Select a scene according to the actual installation environment to speed up the display settings.

Image Adjustment

By adjusting the **Brightness**, **Saturation**, **Hue**, **Contrast** and **Sharpness**, the image can be best displayed.

Low Saturation   High Saturation

Figure 4-1 Saturation

Exposure Settings

Exposure is controlled by the combination of iris, shutter, and photo sensibility. You can adjust image effect by setting exposure parameters.

In manual mode, you need to set **Exposure Time**, **Gain** and **Slow Shutter**.

Focus

It offers options to adjust the focus mode and the minimum focus distance.

Focus Mode

Auto

The device focuses automatically as the scene changes. If you cannot get a well-focused image under auto mode, reduce light sources in the image and avoid flashing lights.

Semi-auto

The device focuses once after the PTZ and lens zooming. If the image is clear, the focus does not change when the scene changes.

Manual

You can adjust the focus manually on the live view page.

Min. Focus Distance

When the distance between the scene and lens is shorter than the Min. Focus Distance, the lens does not focus.

Day/Night Switch

Day/Night Switch function can provide color images in the day mode and turn on fill light in the night mode. Switch mode is configurable.

Day

The image is always in color.

Night

The image is black/white or colorful and the supplement light will be enabled to ensure clear live view image at night.

⏹ⓘNote

Only certain device models support the supplement light and colorful image.

Auto

The camera switches between the day mode and the night mode according to the illumination automatically.

Scheduled-Switch

Set the **Start Time** and the **End Time** to define the duration for day mode.

⏹ⓘNote

Day/Night Switch function varies according to models.

Grey Scale

You can choose the range of the **Grey Scale** as [0-255] or [16-235].

Rotate

When enabled, the live view will rotate 90 ° counterclockwise. For example, 1280 × 720 is rotated to 720 × 1280.

Enabling this function can change the effective range of monitoring in the vertical direction.

Lens Distortion Correction

For device equipped with motorized lens, image may appear distorted to some extent. Enable this function to correct the distortion.

[i]**Note**
- This function is only supported by certain device equipped with motorized lens.
- The edge of image will be lost if this function is enabled.

BLC

If you focus on an object against strong backlight, the object will be too dark to be seen clearly. BLC (backlight compensation) compensates light to the object in the front to make it clear. If BLC mode is set as **Custom**, you can draw a red rectangle on the live view image as the BLC area.

WDR

The WDR (Wide Dynamic Range) function helps the camera provide clear images in environment with strong illumination differences.

When there are both very bright and very dark areas simultaneously in the field of view, you can enable the WDR function and set the level. WDR automatically balances the brightness level of the whole image and provides clear images with more details.

[i]**Note**

When WDR is enabled, some other functions may be not supported. Refer to the actual interface for details.

WDR Off   WDR On
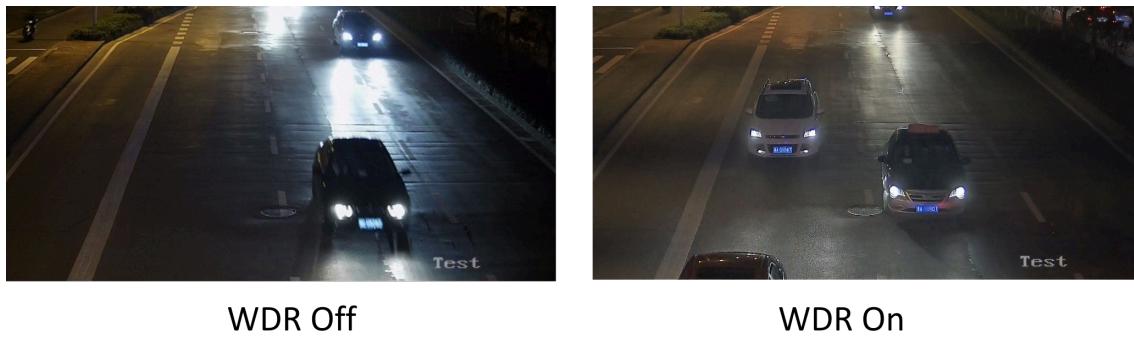
Figure 4-2 WDR

HLC

When the bright area of the image is over-exposed and the dark area is under-exposed, the HLC (High Light Compression) function can be enabled to weaken the bright area and brighten the dark area, so as to achieve the light balance of the overall picture.

White Balance

White balance is the white rendition function of the camera. It is used to adjust the color temperature according to the environment.

Cold   Warm   Auto White Balance

Figure 4-3 White Balance

DNR

Digital Noise Reduction is used to reduce the image noise and improve the image quality. **Normal** and **Expert** modes are selectable.

Normal

Set the DNR level to control the noise reduction degree. The higher level means stronger reduction degree.

Expert

Set the DNR level for both space DNR and time DNR to control the noise reduction degree. The higher level means stronger reduction degree.

DNR Off

DNR On

Figure 4-4 DNR

Defog

You can enable the defog function when the environment is foggy and the image is misty. It enhances the subtle details so that the image appears clearer.

Defog Off   Defog On

Figure 4-5 Defog

EIS

Increase the stability of video image by using jitter compensation technology.

Mirror

When the live view image is the reverse of the actual scene, this function helps to display the image normally.

Select the mirror mode as needed.

Note

The video recording will be shortly interrupted when the function is enabled.

4.6.2 Image Parameters Switch

The device automatically switches image parameters in set time periods.

Go to image parameters switch setting page: **Configuration → Image → Image Parameters Switch** , and set parameters as needed.

Set Switch

Switch the image parameters to the scene automatically in certain time periods.

Steps
1. Check **Enable**.
2. Select and configure the corresponding time period and the scene.

   Note

   For the scene configuration, refer to *__Scene Mode__* .
3. Click **Save**.

4.6.3 Video Standard

Video standard is an ability of a video card or video display device that defines the amount of colors that are shown and the resolution. The two most common video standard used are NTSC and PAL. In NTSC, 30 frames are transmitted each second. Each frame is made up of 525 individual scan lines. In PAL, 25 frames are transmitted each second. Each frame is made up of 625 individual scan lines. Select video signal standard according to the video system in your country/region.

4.6.4 Local Video Output

If the device is equipped with video output interfaces, such as BNC, CVBS, HDMI, and SDI, you can preview the live image directly by connecting the device to a monitor screen.

Select the output mode as ON/OFF to control the output.

4.7 OSD

You can customize OSD (On-screen Display) information such as device name, time/date, font, color, and text overlay displayed on video stream.

Go to OSD setting page: **Configuration → Image → OSD Settings** . Set the corresponding parameters, and click **Save** to take effect.

Character Set

Select character set for displayed information. If Korean is required to displayed on screen, select **EUC-KR**. Otherwise, select **GBK**.

Displayed Information

Set camera name, date, week, and their related display format.

Text Overlay

Set customized overlay text on image.

OSD Parameters

Set OSD parameters, such as **Display Mode**, **OSD Size**, **Font Color**, and **Alignment**.

4.8 Set Privacy Mask

The function blocks certain areas in the live view to protect privacy. No matter how the device moves, the blocked scene will never be seen.

Steps
1. Go to privacy mask setting page: **Configuration → Image → Privacy Mask** .
2. Check **Enable Privacy Mask**.
3. Click **Draw Area**. Drag the mouse in the live view to draw a closed area.

Drag the corners of the area	Adjust the size of the area.
Drag the area	Adjust the position of the area.
Click Clear All	Clear all the areas you set.

4. Click **Stop Drawing**.
5. Click **Save**.

4.9 Overlay Picture

Overlay a customized picture on live view.

Before You Start

The picture to overlay has to be in BMP format with 24-bit, and the maximum picture size is 128 × 128 pixel.

Steps

1. Go to picture overlay setting page: **Configuration → Image → Picture Overlay** .

2. Click **Browse** to select a picture, and click **Upload**.

   The picture with a red rectangle will appear in live view after successfully uploading.

3. Check **Enable Picture Overlay**.

4. Drag the picture to adjust its position.

5. Click **Save**.

4.10 Set Target Cropping

You can crop the image, transmit and save only the images of the target area to save transmission bandwidth and storage.

Steps

1. Go to **Configuration → Video/Audio → Target Cropping** .

2. Check **Enable Target Cropping** and set **Third Stream** as the **Stream Type**.

   $\boxed{i}$**Note**

   After enabling target cropping, the third stream resolution cannot be configured.

3. Select a **Cropping Resolution**.

   A red frame appears in the live view.

4. Drag the frame to the target area.

5. Click **Save**.

   $\boxed{i}$**Note**

   - Only certain models support target cropping and the function varies according to different camera models.
   - Some functions may be disabled after enabling target cropping.

Chapter 5 Video Recording and Picture Capture

This part introduces the operations of capturing video clips and snapshots, playback, and downloading captured files.

5.1 Storage Settings

This part introduces the configuration of several common storage paths.

5.1.1 Set New or Unencrypted Memory Card

Before You Start
Insert a new or unencrypted memory card to the device. For detailed installation, refer to *Quick Start Guide* of the device.

Steps
1. Go to **Configuration → Storage → Storage Management → HDD Management** .
2. Select the memory card.

   [i] **Note**

   If an **Unlock** button appears, you need to unlock the memory card first. See ***Detect Memory Card Status*** for details.

3. Click **Format** to initialize the memory card.

   When the **Status** of memory card turns from **Uninitialized** to **Normal**, the memory card is ready for use.
4. **Optional:** Encrypt the memory card.
   1) Click **Encrypted Format**.
   2) Set the encryption password.
   3) Click **OK**.

      When the **Encryption Status** turns to **Encrypted**, the memory card is ready for use.

   [i] **Note**

   Keep your encryption password properly. Encryption password cannot be found if forgotten.

5. **Optional:** Define the **Quota** of the memory card. Input the percentage for storing different contents according to your needs.
6. Click **Save**.

Detect Memory Card Status

The device detects the status of Hikvision memory card. You receive notifications when your memory card is detected abnormal.

Before You Start
The configuration page only appears when a Hikvision memory card is installed to the device.

Steps
1. Go to **Configuration → Storage → Storage Management → Memory Card Detection** .
2. Click **Status Detection** to check the **Remaining Lifespan** and **Health Status** of your memory card.

   Remaining Lifespan

   It shows the percentage of the remaining lifespan. The lifespan of a memory card may be influenced by factors such as its capacity and the bitrate. You need to change the memory card if the remaining lifespan is not enough.

   Health Status

   It shows the condition of your memory card. There are three status descriptions: good, bad, and damaged. You will receive a notification if the health status is anything other than good when the **Arming Schedule** and **Linkage Method** are set.

   🄸**Note**

   It is recommended that you change the memory card when the health status is not "good".

   ---

3. Click **R/W Lock** to set the permission of reading and writing to the memory card.
   - Add a Lock

     a. Select the **Lock Switch** as ON.
     b. Enter the password.
     c. Click **Save**
   - Unlock

     • If you use the memory card on the device that locks it, unlocking will be done automatically and no unlocking procedures are required on the part of users.
     • If you use the memory card (with a lock) on a different device, you can go to **HDD Management** to unlock the memory card manually. Select the memory card, and click **Unlock**. Enter the correct password to unlock it.
   - Remove the Lock

     a. Select the **Lock Switch** as OFF.
     b. Enter the password in **Password Settings**.
     c. Click **Save**.

> 📖**Note**
> - Only admin user can set the **R/W Lock**.
> - The memory card can only be read and written when it is unlocked.
> - If the device, which adds a lock to a memory card, is restored to the factory settings, you can go to **HDD Management** to unlock the memory card.

4. Set **Arming Schedule** and **Linkage Method**. See **_Set Arming Schedule_** and **_Linkage Method Settings_** for details.
5. Click **Save**.

5.1.2 Set FTP

You can configure the FTP server to save images which are captured by events or a timed snapshot task.

Before You Start
Get the FTP server address first.

Steps
1. Go to **Configuration → Network → Advanced Settings → FTP** .
2. Configure FTP settings.

   FTP Protocol

   FTP and SFTP are selectable. The files uploading is encrypted by using SFTP protocol.

   Server Address and Port

   The FTP server address and corresponding port.

   User Name and Password

   The FTP user should have the permission to upload pictures.

   If the FTP server supports picture uploading by anonymous users, you can check **Anonymous** to hide your device information during uploading.

   Directory Structure

   The saving path of snapshots in the FTP server.

   Picture Filing Interval

   For better picture management, you can set the picture filing interval from 1 day to 30 days. Pictures captured in the same time interval will be saved in one folder named after the beginning date and ending date of the time interval.

   Picture Name

   Set the naming rule for captured pictures. You can choose **Default** in the drop-down list to use the default rule, that is, IP address_channel number_capture time_event type.jpg (e.g., 10.11.37.189_01_20150917094425492_FACE_DETECTION.jpg). Or you can customize it by adding a **Custom Prefix** to the default naming rule.
3. Check **Upload Picture** to enable uploading snapshots to the FTP server.

4. Check **Enable Automatic Network Replenishment**.

⚠️**Note**

Upload to FTP/Memory Card/NAS in **Linkage Method** and **Enable Automatic Network Replenishment** should be both enabled simultaneously.

5. Click **Test** to verify the FTP server.
6. Click **Save**.

5.1.3 Set NAS

Take network server as network disk to store the record files, captured images, etc.

Before You Start
Get the IP address of the network disk first.

Steps
1. Go to NAS setting page: **Configuration → Storage → Storage Management → Net HDD** .
2. Click **HDD No.**. Enter the server address and file path for the disk.

    Server Address

        The IP address of the network disk.

    File Path

        The saving path of network disk files.

    Mounting Type

        Select file system protocol according to the operation system.

        Enter user name and password of the net HDD to guarantee the security if **SMB/CIFS** is selected.

3. Click **Test** to check whether the network disk is available.
4. Click **Save**.

5.1.4 eMMC Protection

It is to automatically stop the use of eMMC as a storage media when its health status is poor.

⚠️**Note**

The eMMC protection is only supported by certain device models with an eMMC hardware.

Go to **Configuration → System → Maintenance → System Service** for the settings.

eMMC, short for embedded multimedia card, is an embedded non-volatile memory system. It is able to store the captured images or videos of the device.

The device monitors the eMMC health status and turns off the eMMC when its status is poor. Otherwise, using a worn-out eMMC may lead to device boot failure.

5.1.5 Set Cloud Storage

It helps to upload the captured pictures and data to the cloud. The platform requests picture directly from the cloud for picture and analysis. The function is only supported by certain models.

Steps

⚠️ **Caution**

If the cloud storage is enabled, the pictures are stored in the cloud video manager firstly.

1. Go to **Configuration → Storage → Storage Management → Cloud Storage** .
2. Check **Enable Cloud Storage**.
3. Set basic parameters.

Protocol Version	The protocol version of the cloud video manager.
Server IP	The IP address of the cloud video manager. It supports IPv4 address.
Serve Port	The port of the cloud video manager. You are recommended to use the default port.
AccessKey	The key to log in to the cloud video manager.
SecretKey	The key to encrypt the data stored in the cloud video manager.
User Name and Password	The user name and password of the cloud video manager.
Picture Storage Pool ID	The ID of the picture storage region in the cloud video manager. Make sure storage pool ID and the storage region ID are the same.

4. Click **Test** to test the configured settings.
5. Click **Save**.

5.2 Video Recording

This part introduces the operations of manual and scheduled recording, playback, and downloading recorded files.

5.2.1 Record Automatically

This function can record video automatically during configured time periods.

Before You Start
Select **Trigger Recording** in event settings for each record type except **Continuous**. See ***Event and Alarm*** for details.

Steps

1. Go to **Configuration → Storage → Schedule Settings → Record Schedule** .

2. Check **Enable**.

3. Select a record type.

⌐i⌐**Note**

The record type is vary according to different models.

Continuous

The video will be recorded continuously according to the schedule.

Motion

When motion detection is enabled and trigger recording is selected as linkage method, object movement is recorded.

Alarm

When alarm input is enabled and trigger recording is selected as linkage method, the video is recorded after receiving alarm signal from external alarm input device.

Motion | Alarm

Video is recorded when motion is detected or alarm signal is received from the external alarm input device.

Motion & Alarm

Video is recorded only when motion is detected and alarm signal is received from the external alarm input device.

Event

The video is recorded when configured event is detected.

4. Set schedule for the selected record type. Refer to ***Set Arming Schedule*** for the setting operation.

5. Click **Advanced** to set the advanced settings.

Overwrite

Enable **Overwrite** to overwrite the video records when the storage space is full. Otherwise the camera cannot record new videos.

Pre-record

The time period you set to record before the scheduled time.

Post-record

The time period you set to stop recording after the scheduled time.

Stream Type

Select the stream type for recording.

⌷**i**⌷**Note**

When you select the stream type with higher bitrate, the actual time of the pre-record and post-record may be less than the set value.

Recording Expiration

The recordings are deleted when they exceed the expired time. The expired time is configurable. Note that once the recordings are deleted, they can not be recovered.

6. Click **Save**.

5.2.2 Record Manually

Steps

1. Go to **Configuration → Local** .
2. Set the **Record File Size** and saving path to for recorded files.
3. Click **Save**.
4. Click ⛛ in the live view interface to start recording. Click ⛛ to stop recording.

5.2.3 Set Lite Storage

After the lite storage is enabled, the frame rate and bitrate of the video stream can be reduced to lengthen the storage time of the memory card when there is no moving object in the monitoring scenario.

Steps

1. Go to **Configuration → Storage → Storage Management → Lite Storage** .
2. Check **Enable** and set the level. The higher the level is, the larger the frame rate and bitrate are, and the shorter the recommended storage time is.
3. Set the storage time. The device automatically calculates the bitrate and offers the recommended storage time according to the memory card space and level. You are recommended to set the storage time to the device recommended time.

⌷**i**⌷**Note**

- If the lite storage is enabled, unformatted memory card will be formatted automatically.
- The displayed available space of the memory card is assigned by default according to **Percentage of Record** in **Storage → Storage Management → Quota** . You can adjust it as required.
- Only certain device models support the function.

5.2.4 Playback and Download Video

You can search, playback and download the videos stored in the local storage or network storage.

Steps

1. Click **Playback**.

2. Set search condition and click **Search**.

   The matched video files showed on the timing bar.

3. Click ▶ to play the video files.

   - Click ✂ to clip video files.
   - Double click the live view image to play video files in full screen. Press **ESC** to exit full screen.

   📖 **Note**

   Go to **Configuration → Local** , click **Save clips to** to change the saving path of clipped video files.

4. Click ⬇ on the playback interface to download files.

   1) Set search condition and click **Search**.

   2) Select the video files and then click **Download**.

   📖 **Note**

   Go to **Configuration → Local** , click **Save downloaded files to** to change the saving path of downloaded video files.

5.3 Capture Configuration

The device can capture the pictures manually or automatically and save them in configured saving path. You can view and download the snapshots.

5.3.1 Capture Automatically

This function can capture pictures automatically during configured time periods.

Before You Start

If event-triggered capture is required, you should configure related linkage methods in event settings. Refer to ***Event and Alarm*** for event settings.

Steps

1. Go to **Configuration → Storage → Schedule Settings → Capture → Capture Parameters** .

2. Set the capture type.

   Timing

   Capture a picture at the configured time interval.

   Event-Triggered

   Capture a picture when an event is triggered.

3. Set the **Format**, **Resolution**, **Quality**, **Interval**, and **Capture Number**.

4. Refer to ***Set Arming Schedule*** for configuring schedule time.

5. Click **Save**.

5.3.2 Capture Manually

Steps

1. Go to **Configuration → Local** .
2. Set the **Image Format** and saving path to for snapshots.

   JPEG

   The picture size of this format is comparatively small, which is better for network transmission.

   BMP

   The picture is compressed with good quality.

3. Click **Save**.
4. Click 📷 near the live view or play back window to capture a picture manually.

5.3.3 Set Timing Wake

When the device is sleeping, it will wake up at the set time interval, and capture pictures and upload them.

Steps

> 🛈**Note**
>
> The function is only supported by certain device models.

1. Go to **Configuration → System → System Settings → Power Consumption Mode** , under **Sleep Schedule**, click the time schedule to set **Sleep Capture Interval**.
2. Enter **Configuration → Event → Basic Event → Timing Wake** .
3. Check **Enable**.
4. Select **Capture Types**.
5. For the linkage method settings, see ***Linkage Method Settings*** .
6. Click **Save**.

Result

The device will wake up at the set sleep capture interval, and capture pictures and upload them.

5.3.4 View and Download Picture

You can search, view and download the pictures stored in the local storage or network storage.

Steps

1. Click **Picture**.
2. Set search condition and click **Search**.

   The matched pictures showed in the file list.

3. Select the pictures then click **Download** to download them.

⌷**i**|**Note**

Go to **Configuration → Local** , click **Save snapshots when playback** to change the saving path of pictures.

Chapter 6 Event and Alarm

This part introduces the configuration of events. The device takes certain response to triggered alarm.

6.1 Basic Event

6.1.1 Set Motion Detection

It helps to detect the moving objects in the detection region and trigger the linkage actions.

Steps
1. Go to **Configuration → Event → Basic Event → Motion Detection** .
2. Check **Enable Motion Detection**.
3. **Optional:** Highlight to display the moving object in the image in green.
   1) Check **Enable Dynamic Analysis for Motion**.
   2) Go to **Configuration → Local** .
   3) Set **Rules** to **Enable**.
4. Select **Configuration Mode**, and set rule region and rule parameters.
   - For the information about normal mode, see ***Normal Mode*** .
   - For the information about expert mode, see ***Expert Mode*** .
5. Set the arming schedule and linkage methods. For the information about arming schedule settings, see ***Set Arming Schedule*** . For the information about linkage methods, see ***Linkage Method Settings*** .
6. Click **Save**.

Expert Mode

You can configure the motion detection parameters of day/night switch according to the actual needs.

Steps
1. Select expert mode in **Configuration**.
2. Set parameters of expert mode.

   Day/Night Switch

   OFF: Day/night switch is disabled.

   Day/Night Auto-Switch: The system switches day/night mode automatically according to environment. It displays colored image at day and black and white image at night.

Day/Night Scheduled-Switch: The system switches day/night mode according to the schedule. It switches to day mode during the set periods and switches to night mode during the other periods.

Sensitivity

The higher the value of sensitivity is, the more sensitive the motion detection is. If the sensitivity is set to *0*, motion detection and dynamic analysis do not take effect.

Proportion

It refers to the proportion that a moving object occupies in the drawn area. When the size of the object exceeds the set proportion, motion detection is triggered.

3. Select an **Area** and click **Draw Area**. Click and drag the mouse on the live video, then release the mouse to finish drawing one area.

Figure 6-1 Set Rules

Stop Drawing   Finish drawing one area.

Clear All   Delete all the areas.

4. **Optional:** Repeat the above steps to set multiple areas.

Normal Mode

You can set motion detection parameters according to the device default parameters.

Steps

1. Select normal mode in **Configuration**.

2. Set the sensitivity of normal mode. The higher the value of sensitivity is, the more sensitive the motion detection is. If the sensitivity is set to *0*, motion detection and dynamic analysis do not take effect.
3. Set **Detection Target**. Human and vehicle are available. If the detection target is not selected, all the detected targets will be reported, including the human and vehicle.
4. Click **Draw Area**. Click and drag the mouse on the live video, and then release the mouse to finish drawing one area.

> **Stop Drawing**   Stop drawing one area.
>
> **Clear All**   Clear all the areas.

5. **Optional:** You can set the parameters of multiple areas by repeating the above steps.

6.1.2 Set Video Tampering Alarm

When the configured area is covered and cannot be monitored normally, the alarm is triggered and the device takes certain alarm response actions.

Steps
1. Go to **Configuration → Event → Basic Event → Video Tampering** .
2. Check **Enable**.
3. Set the **Sensitivity**. The higher the value is, the easier to detect the area covering.
4. Click **Draw Area** and drag the mouse in the live view to draw the area.

> **Stop Drawing**   Finish drawing.
>
> **Clear All**   Delete all the drawn areas.
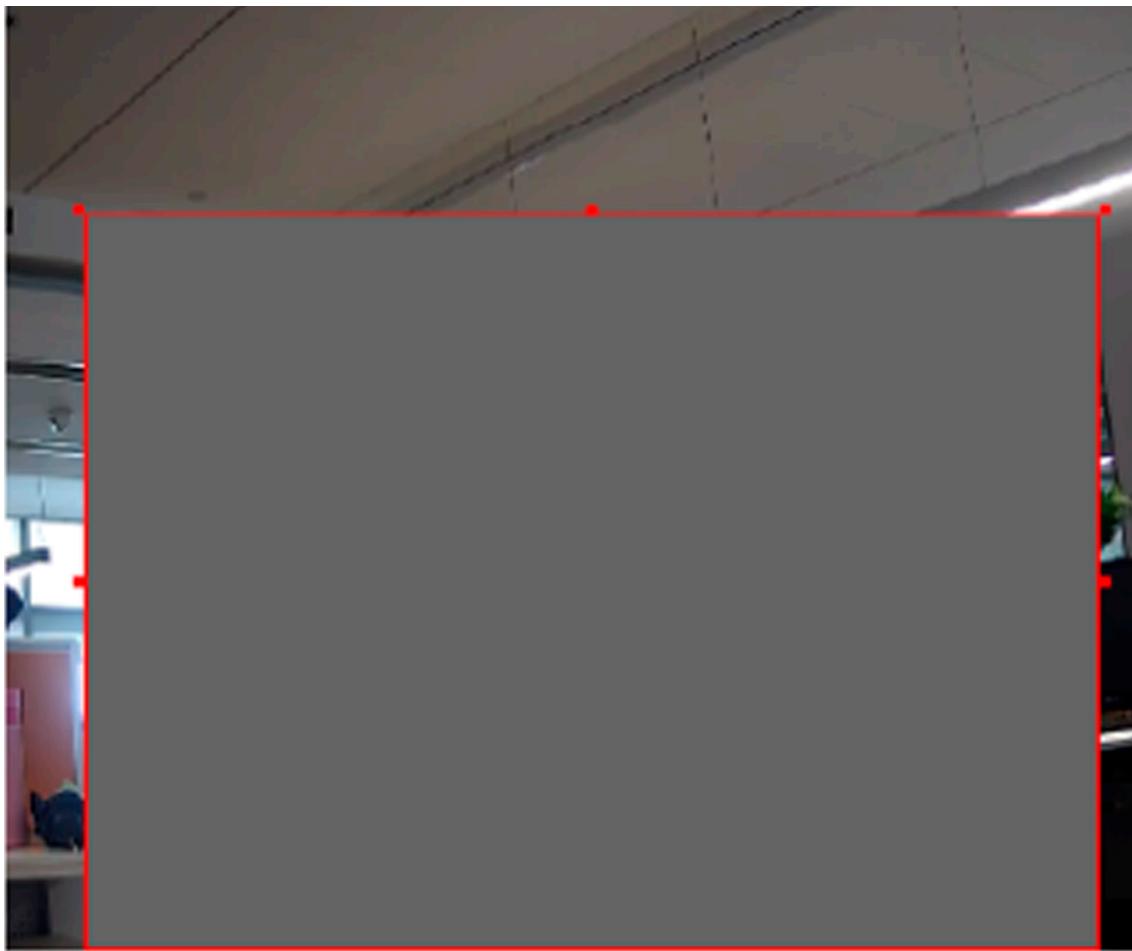
Figure 6-2 Set Video Tampering Area

5. Refer to *__Set Arming Schedule__* for setting scheduled time. Refer to *__Linkage Method Settings__* for setting linkage method.

6. Click **Save**.

6.1.3 Set PIR Alarm

A PIR (Passive Infrared) alarm is triggered when an intruder moves within the detector's field of view. The heat energy dissipated by a person, or any other warm blooded creature such as dogs, cats, etc., can be detected.

Steps

ⓘ**Note**

Only certain models support PIR alarm.

1. Go to **Configuration → Advanced Configuration → Basic Event → PIR Alarm** .

2. Check **Enable PIR Alarm**.

3. Refer to **_Set Arming Schedule_** for setting scheduled time. Refer to **_Linkage Method Settings_** for setting linkage method.

4. Click **Save**.

6.1.4 Set Exception Alarm

Exception such as network disconnection can trigger the device to take corresponding action.

Steps

1. Go to **Configuration → Event → Basic Event → Exception** .

2. Select **Exception Type**.

HDD Full	The HDD storage is full.
HDD Error	Error occurs in HDD.
Network Disconnected	The device is offline.
IP Address Conflicted	The IP address of current device is same as that of other device in the network.
Illegal Login	Incorrect user name or password is entered.

3. Refer to **_Linkage Method Settings_** for setting linkage method.

4. Click **Save**.

6.1.5 Set Alarm Input

Alarm signal from the external device triggers the corresponding actions of the current device.

Before You Start

Make sure the external alarm device is connected. See _Quick Start Guide_ for cable connection.

Steps

1. Go to **Configuration → Event → Basic Event → Alarm Input** .

2. Check **Enable Alarm Input Handling**.

3. Select **Alarm Input NO.** and **Alarm Type** from the dropdown list. Edit the **Alarm Name**.

4. Refer to **_Set Arming Schedule_** for setting scheduled time. Refer to **_Linkage Method Settings_** for setting linkage method.

5. Click **Copy to...** to copy the settings to other alarm input channels.

6. Click **Save**.

6.1.6 Set Video Quality Diagnosis

When the video quality of the device is abnormal and the alarm linkage is set, the alarm will be triggered automatically.

Steps

1. Go to **Configuration → Event → Basic Event → Video Quality Diagnosis** .

2. Select **Diagnosis Type**.

3. Set the corresponding parameters.

   Alarm Detection Interval

   The time interval to detect the exception.

   Sensitivity

   The higher the value is, the more easily the exception will be detected, and the higher possibility of misinformation would be.

   Alarm Delay Times

   The device uploads the alarm when the alarm reaches the set number of times.

4. Check **Enable**, and the selected diagnosis type will be detected.

5. Set arming schedule. See ***Set Arming Schedule*** .

6. Set linkage method. See ***Linkage Method Settings*** .

7. Click **Save**.

> **Note**
>
> The function is only supported by certain models. The actual display varies with models.

6.1.7 Set Vibration Detection

It is used to detect whether the device is vibrating. The device reports an alarm and triggers linkage actions if the function is enabled.

Steps

1. Go to **Configuration → Event → Basic Event → Vibration Detection** .

2. Check **Enable**.

3. Drag the slider to set the detection sensitivity. You can also enter number to set the sensitivity.

4. Set the arming schedule. See ***Set Arming Schedule*** .

5. Set the linkage method. See ***Linkage Method Settings*** .

6. Click **Save**.

> **Note**
>
> The function is only supported by certain models. The actual display varies with models.

6.2 Smart Event

Set smart events by the following instructions.

> ⓘ**Note**
>
> - For certain device models, you need to enable the smart event function on **VCA Resource** page first to show the function configuration page.
> - The function varies according to different models.

6.2.1 Detect Audio Exception

Audio exception detection function detects the abnormal sound in the scene, such as the sudden increase/decrease of the sound intensity, and some certain actions can be taken as response.

Steps

1. Go to **Configuration → Event → Smart Event → Audio Exception Detection** .
2. Select one or several audio exception detection types.

    Audio Loss Detection

    Detect sudden loss of audio track.

    Sudden Increase of Sound Intensity Detection

    Detect sudden increase of sound intensity. **Sensitivity** and **Sound Intensity Threshold** are configurable.

    > ⓘ**Note**
    >
    > - The lower the sensitivity is, the more significant the change should be to trigger the detection.
    > - The sound intensity threshold refers to the sound intensity reference for the detection. It is recommended to set as the average sound intensity in the environment. The louder the environment sound, the higher the value should be. You can adjust it according to the real environment.

    Sudden Decrease of Sound Intensity Detection

    Detect sudden decrease of sound intensity. **Sensitivity** is configurable.

3. Refer to ***Set Arming Schedule*** for setting scheduled time. Refer to ***Linkage Method Settings*** for setting linkage methods.
4. Click **Save**.

    > ⓘ**Note**
    >
    > The function varies according to different models.

6.2.2 Set Defocus Detection

The blurred image caused by lens defocus can be detected. If it occurs, the device can take linkage actions.

Steps

1. Go to **Configuration → Event → Smart Event → Defocus Detection** .
2. Check **Enable**.
3. Set **Sensitivity**. The higher the value is, the more easily the defocus image can trigger the alarm. You can adjust the value according to the actual environment.
4. For the linkage method settings, refer to ***Linkage Method Settings*** .
5. Click **Save**.

⌷**i**Note

The function is only supported by certain models. The actual display varies with models.

6.2.3 Detect Scene Change

Scene change detection function detects the change of the scene. Some certain actions can be taken when the alarm is triggered.

Steps

1. Go to **Configuration → Event → Smart Event → Scene Change Detection** .
2. Click **Enable**.
3. Set the **Sensitivity**. The higher the value is, the more easily the change of scene can be detected. But the detection accuracy is reduced.
4. Refer to ***Set Arming Schedule*** for setting scheduled time. Refer to ***Linkage Method Settings*** for setting linkage method.
5. Click **Save**.

⌷**i**Note

The function varies according to different models.

6.2.4 Set Face Detection

It helps to detect the face in the detection region. If a face is detected, the device triggers the linkage actions.

Steps

1. Go to **Configuration → Event → Smart Event → Face Detection** .
2. Check **Enable Face Detection**.
3. **Optional:** Highlight to display the face in the image.
   1) Check **Enable Dynamic Analysis For Face Detection**.

2) Go to **Configuration → Local** , set **Rules** to **Enable**.

4. Set **Sensitivity**. The lower the sensitivity is, the profile of the face or unclear face is more difficult to detect.

5. Set the arming schedule and linkage methods. For the information about arming schedule settings, see ***Set Arming Schedule*** . For the information about linkage methods, see ***Linkage Method Settings*** .

6. Click **Save**.

6.2.5 Set Video Loss

This function can detect the video signal loss in time and trigger the linkage action.

Steps

1. Go to **Configuration → Event → Basic Event → Video Loss** .

2. Check **Enable**.

3. Refer to ***Set Arming Schedule*** for setting scheduled time. Refer to ***Linkage Method Settings*** for setting linkage method.

4. Click **Save**.

6.2.6 Set Intrusion Detection

It is used to detect objects entering and loitering in a pre-defined virtual region. If it occurs, the device can take linkage actions.

Steps

1. Go to **Configuration → Event → Smart Event → Intrusion Detection** .

2. Check **Enable**.

3. Select a **Region**. For the detection region settings, refer to ***Draw Area*** .

4. Set rules.

Sensitivity	Sensitivity stands for the percentage of the body part of an acceptable target that enters the pre-defined region. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that goes across the pre-defined region. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the alarm can be triggered.
Threshold	Threshold stands for the threshold for the time of the object loitering in the region. If the time that one object stays exceeds the threshold, the alarm is triggered. The larger the value of the threshold is, the longer the alarm triggering time is.
Detection Target	Human and vehicle are available. If the detection target is not selected, all the detected targets will be reported, including the human and vehicle.

Target Validity	If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher. The target with less obvious features would be missing.

Figure 6-3 Set Rule

5. **Optional:** You can set the parameters of multiple areas by repeating the above steps.
6. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .
7. Click **Save**.

6.2.7 Set Line Crossing Detection

It is used to detect objects crossing a pre-defined virtual line. If it occurs, the device can take linkage actions.

Steps
1. Go to **Configuration → Event → Smart Event → Line Crossing Detection** .
2. Check **Enable**.
3. Select one **Line** and set the size filter. For the size filter settings, refer to ***Set Size Filter*** .
4. Click **Draw Area** and a line with an arrow appears in the live video. Drag the line to the location on the live video as desired.
5. Set rules.

Direction	It stands for the direction from which the object goes across the line.
	A<->B: The object going across the line from both directions can be detected and alarms are triggered.

A->B: Only the object crossing the configured line from the A side to the B side can be detected.

B->A: Only the object crossing the configured line from the B side to the A side can be detected.

Sensitivity	It stands for the percentage of the body part of an acceptable target that goes across the pre-defined line. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that goes across the pre-defined line. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the alarm can be triggered.
Detection Target	Human and vehicle are available. If the detection target is not selected, all the detected targets will be reported, including the human and vehicle.
Target Validity	If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher. The target with less obvious features would be missing.
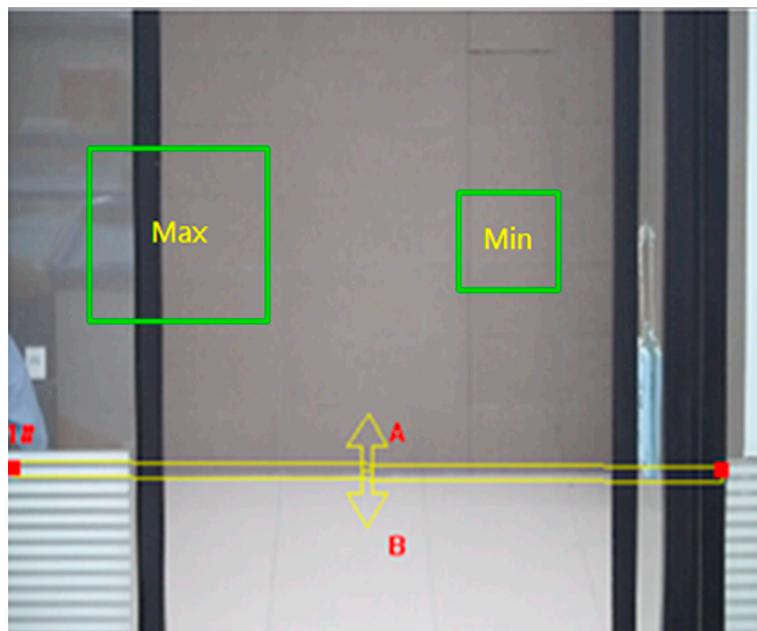
Figure 6-4 Set Rule

6. **Optional:** You can set the parameters of multiple areas by repeating the above steps.
7. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .
8. Click **Save**.

6.2.8 Set Region Entrance Detection

It is used to detect objects entering a pre-defined virtual region from the outside place. If it occurs, the device can take linkage actions.

Steps
1. Go to **Configuration → Event → Smart Event → Region Entrance Detection** .
2. Check **Enable**.
3. Select one **Region**. For the region settings, refer to **_Draw Area_** .
4. Set the detection target, sensitivity and the target validity.

|	
Sensitivity	It stands for the percentage of the body part of an acceptable target that goes across the pre-defined region. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that goes across the pre-defined region. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the alarm can be triggered.
Detection Target	Human and vehicle are available. If the detection target is not selected, all the detected targets will be reported, including the human and vehicle.
Target Validity	If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher. The target with less obvious features would be missing.

Figure 6-5 Set Rule

5. Optional: You can set the parameters of multiple areas by repeating the above steps.
6. For the arming schedule settings, refer to **_Set Arming Schedule_** . For the linkage method settings, refer to **_Linkage Method Settings_** .

7. Click **Save**.

6.2.9 Set Region Exiting Detection

It is used to detect objects exiting from a pre-defined virtual region. If it occurs, the device can take linkage actions.

Steps
1. Go to **Configuration → Event → Smart Event → Region Exiting Detection**
2. Check **Enable**.
3. Select one **Region**. For the detection region settings, refer to **_Draw Area_** .
4. Set the detection target, sensitivity and the target validity.

|	
Sensitivity	It stands for the percentage of the body part of an acceptable target that goes across the pre-defined region. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that goes across the pre-defined region. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the alarm can be triggered.
Detection Target	Human and vehicle are available. If the detection target is not selected, all the detected targets will be reported, including the human and vehicle.
Target Validity	If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher. The target with less obvious features would be missing.

Figure 6-6 Set Rule

5. Optional: You can set the parameters of multiple areas by repeating the above steps.

6. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .

7. Click **Save**.

6.2.10 Set Unattended Baggage Detection

It is used to detect the objects left over in the pre-defined region. Linkage methods can be triggered after the object is left and stays in the region for a set time period.

Steps

1. Go to **Configuration → Event → Smart Event → Unattended Baggage Detection** .

2. Check **Enable**.

3. Select one **Region**. For the detection region settings, refer to ***Draw Area*** .

4. Set rules.

|	
Sensitivity	Sensitivity stands for the percentage of the body part of an acceptable target that enters the pre-defined region. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that goes across the pre-defined region. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the alarm can be triggered.
Threshold	It stands for the time of the objects left in the region. Alarm is triggered after the object is left and stays in the region for the set time period.
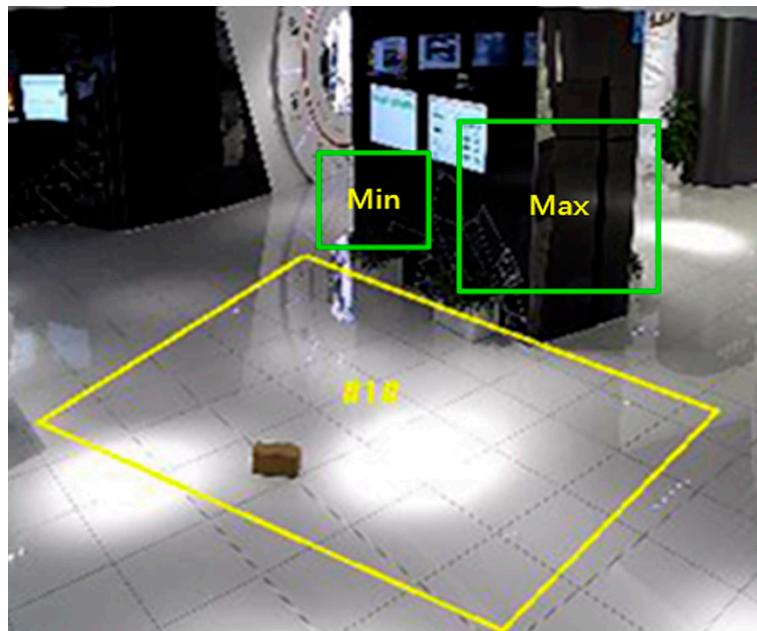
Figure 6-7 Set Rule

5. **Optional:** You can set the parameters of multiple areas by repeating the above steps.

6. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .

7. Click **Save**.

6.2.11 Set Object Removal Detection

It detects whether the objects are removed from the pre-defined detection region, such as the exhibits on display. If it occurs, the device can take linkage actions and the staff can take measures to reduce property loss.

Steps

1. Go to **Configuration → Event → Smart Event → Object Removal Detection** .

2. Check **Enable**.

3. Select a **Region**. For the region settings, see ***Draw Area*** .

4. Set the rule.

Sensitivity	It stands for the percentage of the body part of an acceptable target that leaves the pre-defined region.
	Sensitivity = 100 − S1/ST*100
	S1 stands for the target body part that leaves the pre-defined region. ST stands for the complete target body.
	Example: If you set the value as 60, a target is possible to be counted as a removed object only when 40 percent body part of the target leaves the region.
Threshold	The threshold for the time of the objects removed from the region. If you set the value as 10, alarm is triggered after the object disappears from the region for 10s.

5. **Optional:** Repeat the above steps to set more regions.

6. For the arming schedule settings, see ***Set Arming Schedule*** . For the linkage method settings, see ***Linkage Method Settings*** .

7. Click **Save**.

⌸**Note**

The function is only supported by certain models. The actual display varies with the models.

6.2.12 Draw Area

This section introduces the configuration of area.

Steps

1. Click **Detection Area**.

2. Click on the live view to draw the boundaries of the detection region, and right click to complete drawing.

3. Click **Save**.

ℹ️**Note**
- Click **Clear** to clear the selected area.
- Click **Clear All** to clear all pre-defined areas.

6.2.13 Set Size Filter

This part introduces the setting of size filter. Only the target whose size is between the minimum value and maximum value is detected and triggers alarm.

Steps
1. Click **Max. Size**, and drag the mouse in the live view to draw the maximum target size.
2. Click **Min. Size**, and drag the mouse in the live view to draw the minimum target size.
3. Click **Save**.

Chapter 7 Network Settings

7.1 TCP/IP

TCP/IP settings must be properly configured before you operate the device over network. IPv4 and IPv6 are both supported. Both versions can be configured simultaneously without conflicting to each other.

Go to **Configuration → Network → Basic Settings → TCP/IP** for parameter settings.

NIC Type

Select a NIC (Network Interface Card) type according to your network condition.

IPv4

Two IPv4 modes are available.

DHCP

The device automatically gets the IPv4 parameters from the network if you check **DHCP**. The device IP address is changed after enabling the function. You can use SADP to get the device IP address.

> **Note**
>
> The network that the device is connected to should support DHCP (Dynamic Host Configuration Protocol).

Manual

You can set the device IPv4 parameters manually. Input **IPv4 Address**, **IPv4 Subnet Mask**, and **IPv4 Default Gateway**, and click **Test** to see if the IP address is available.

IPv6

Three IPv6 modes are available.

Route Advertisement

The IPv6 address is generated by combining the route advertisement and the device Mac address.

> **Note**
>
> Route advertisement mode requires the support from the router that the device is connected to.

DHCP

The IPv6 address is assigned by the server, router, or gateway.

Manual

Input **IPv6 Address**, **IPv6 Subnet**, **IPv6 Default Gateway**. Consult the network administrator for required information.

MTU

It stands for maximum transmission unit. It is the size of the largest protocol data unit that can be communicated in a single network layer transaction.

The valid value range of MTU is 1280 to 1500.

DNS

It stands for domain name server. It is required if you need to visit the device with domain name. And it is also required for some applications (e.g., sending email). Set **Preferred DNS Server** and **Alternate DNS server** properly if needed.

Dynamic Domain Name

Check **Enable Dynamic Domain Name** and input **Register Domain Name**. The device is registered under the register domain name for easier management within the local area network.

⌊i⌋Note

DHCP should be enabled for the dynamic domain name to take effect.

7.1.1 Multicast

Multicast is group communication where data transmission is addressed to a group of destination devices simultaneously.

Go to **Configuration → Network → Basic Settings → Multicast** for the multicast settings.

IP Address

It stands for the address of multicast host.

Stream Type

The stream type as the multicast source.

Video Port

The video port of the selected stream.

Audio Port

The audio port of the selected stream.

7.1.2 Multicast Discovery

Check the **Enable Multicast Discovery**, and then the online network camera can be automatically detected by client software via private multicast protocol in the LAN.

7.2 SNMP

You can set the SNMP network management protocol to get the alarm event and exception messages in network transmission.

Before You Start
Before setting the SNMP, you should download the SNMP software and manage to receive the device information via SNMP port.

Steps
1. Go to the settings page: **Configuration → Network → Advanced Settings → SNMP** .
2. Check **Enable SNMPv1**, **Enable SNMP v2c** or **Enable SNMPv3**.

> ⓘ**Note**
>
> The SNMP version you select should be the same as that of the SNMP software.
> And you also need to use the different version according to the security level required. SNMP v1 is not secure and SNMP v2 requires password for access. And SNMP v3 provides encryption and if you use the third version, HTTPS protocol must be enabled.

3. Configure the SNMP settings.
4. Click **Save**.

7.3 Set SRTP

The Secure Real-time Transport Protocol (SRTP) is a Real-time Transport Protocol (RTP) internet protocol, intended to provide encryption, message authentication and integrity, and replay attack protection to the RTP data in both unicast and multicast applications.

Steps
1. Go to **Configuration → Network → Advanced Settings → SRTP** .
2. Select **Server Certificate**.
3. Select **Encrypted Algorithm**.
4. Click **Save**.

> ⓘ**Note**
>
> • Only certain device models support this function.
> • If the function is abnormal, check if the selected certificate is abnormal in certificate management.

7.4 Port Mapping

By setting port mapping, you can access devices through the specified port.

Before You Start

When the ports in the device are the same as those of other devices in the network, refer to ***Port*** to modify the device ports.

Steps

1. Go to **Configuration → Network → Basic Settings → NAT** .

2. Select the port mapping mode.

     Auto Port Mapping   Refer to ***Set Auto Port Mapping*** for detailed information.

     Manual Port Mapping   Refer to ***Set Manual Port Mapping*** for detailed information.

3. Click **Save**.

7.4.1 Set Auto Port Mapping

Steps

1. Check **Enable UPnP™**, and choose a friendly name for the camera, or you can use the default name.

2. Select the port mapping mode to **Auto**.

3. Click **Save**.

ℹ️**Note**

UPnP™ function on the router should be enabled at the same time.

7.4.2 Set Manual Port Mapping

Steps

1. Check **Enable UPnP™**, and choose a friendly name for the device, or you can use the default name.

2. Select the port mapping mode to **Manual**, and set the external port to be the same as the internal port.

3. Click **Save**.

What to do next

Go to the router port mapping settings interface and set the port number and IP address to be the same as those on the device. For more information, refer to the router user manual.

7.4.3 Set Port Mapping on Router

The following settings are for a certain router. The settings vary depending on different models of routers.

Steps

1. Select the **WAN Connection Type**.

2. Set the **IP Address**, **Subnet Mask** and other network parameters of the router.

3. Go to **Forwarding → Virtual Severs** , and input the **Port Number** and **IP Address**.

4. Click **Save**.

Example

When the cameras are connected to the same router, you can configure the ports of a camera as 80, 8000, and 554 with IP address 192.168.1.23, and the ports of another camera as 81, 8001, 555, 8201 with IP 192.168.1.24.

Figure 7-1 Port Mapping on Router

Note

The port of the network camera cannot conflict with other ports. For example, some web management port of the router is 80. Change the camera port if it is the same as the management port.

7.5 Port

The device port can be modified when the device cannot access the network due to port conflicts.

Caution

Do not modify the default port parameters at will, otherwise the device may be inaccessible.

Go to **Configuration → Network → Basic Settings → Port** for port settings.

HTTP Port

It refers to the port through which the browser accesses the device. For example, when the **HTTP Port** is modified to 81, you need to enter ***http://192.168.1.64:81*** in the browser for login.

HTTPS Port

It refers to the port through which the browser accesses the device with certificate. Certificate verification is required to ensure the secure access.

RTSP Port

It refers to the port of real-time streaming protocol.

SRTP Port

It refers to the port of secure real-time transport protocol.

Server Port

It refers to the port through which the client adds the device.

Enhanced SDK Service Port

It refers to the port through which the client adds the device. Certificate verification is required to ensure the secure access.

WebSocket Port

TCP-based full-duplex communication protocol port for plug-in free preview.

WebSockets Port

TCP-based full-duplex communication protocol port for plug-in free preview. Certificate verification is required to ensure the secure access.

ⓘ Note

- Enhanced SDK Service Port, WebSocket Port, and WebSockets Port are only supported by certain models.
- For device models that support that function, go to **Configuration → Network → Advanced Settings → Network Service** to enable it.

7.6 Access to Device via Domain Name

You can use the Dynamic DNS (DDNS) for network access. The dynamic IP address of the device can be mapped to a domain name resolution server to realize the network access via domain name.

Before You Start
Registration on the DDNS server is required before configuring the DDNS settings of the device.

Steps
1. Refer to *TCP/IP* to set DNS parameters.
2. Go to the DDNS settings page: **Configuration → Network → Basic Settings → DDNS** .
3. Check **Enable DDNS** and select **DDNS type**.

DynDNS

Dynamic DNS server is used for domain name resolution.

NO-IP

NO-IP server is used for domain name resolution.

4. Input the domain name information, and click **Save**.
5. Check the device ports and complete port mapping. Refer to _**Port**_ to check the device port , and refer to _**Port Mapping**_ for port mapping settings.
6. Access the device.

By Browsers	Enter the domain name in the browser address bar to access the device.
By Client Software	Add domain name to the client software. Refer to the client manual for specific adding methods.

7.7 Access to Device via PPPoE Dial Up Connection

This device supports the PPPoE auto dial-up function. The device gets a public IP address by ADSL dial-up after the device is connected to a modem. You need to configure the PPPoE parameters of the device.

Steps

1. Go to **Configuration → Network → Basic Settings → PPPoE** .
2. Check **Enable PPPoE**.
3. Set the PPPoE parameters.

Dynamic IP

After successful dial-up, the dynamic IP address of the WAN is displayed.

User Name

User name for dial-up network access.

Password

Password for dial-up network access.

Confirm

Input your dial-up password again.

4. Click **Save**.
5. Access the device.

By Browsers	Enter the WAN dynamic IP address in the browser address bar to access the device.
By Client Software	Add the WAN dynamic IP address to the client software. Refer to the client manual for details.

ⓘ**Note**

The obtained IP address is dynamically assigned via PPPoE, so the IP address always changes after rebooting the camera. To solve the inconvenience of the dynamic IP, you need to get a domain name from the DDNS provider (e.g. DynDns.com). Refer to ***Access to Device via Domain Name*** for detail information.

7.8 Wireless Dial

Data of audio, video and image can be transferred via 3G/4G wireless network.

ⓘ**Note**

The function is only supported by certain device models.

7.8.1 Set Wireless Dial

The built-in wireless module offers dial-up access to the Internet for the device.

Before You Start
Get a SIM card, and activate 3G/4G services. Insert the SIM card to the corresponding slot.

Steps
1. Go to **Configuration → Network → Advanced Settings → Wireless Dial** .
2. Check to enable the function.
3. Click **Dial Parameters** to configure and save the parameters.
4. Click **Dial Plan**. See ***Set Arming Schedule*** for detailed information.
5. **Optional:** Set **Allowlist**. See ***Set Allowlist*** for detailed information.
6. Click **Dial Status**.

> **Click Refresh**   Refresh the dial status.

> **Click Disconnect**   Disconnect the 3G/4G wireless network.

   When the **Dial Status** turns to **Connected**, it means a successful dial.
7. Access the device via the **IP Address** of the computer in the network.
   - Input the IP address in the browser to access the device.
   - Add the device in client application. Select **IP/Domain**, and input IP address and other parameters to access the device.

7.8.2 Set Allowlist

Add the mobile phone number of administrator to the allowlist in order to receive alarm message from the device.

Steps

1. Go to allowlist settings page: **Configuration → Advanced Configuration → Wireless Dial → Allowlist** .

2. Check **Enable SMS Alarm**.

3. Click + in the allowlist.

   1) Input the mobile phone number to receive alarm message.

   2) Check **Reboot via SMS**.

   3) Select the certain events, and the mobile phone can receive the alarm message when the event happens.

   4) Click **Save**.

   5) **Optional:** Repeat the steps above to set multiple recipients.

✎	Modify the allowlist parameters.
✕	Delete the allowlist that already set.
Send Test SMS	Send a message to the mobile phone for test.

4. Click **Save**.

7.9 Wi-Fi

Connect the device to wireless network by setting Wi-Fi parameters.

ℹ️**Note**

This function is only supported by certain device models.

7.9.1 Connect Device to Wi-Fi

Before You Start

Refer to the user manual of wireless router or AP to set SSID, key, and other parameters.

Steps

1. Go to TCP/IP settings page: **Configuration → Network → Basic Configuration → TCP/IP** .

2. Select **Wlan** to set the parameters. Refer to _**TCP/IP**_ for detailed configuration.

ℹ️**Note**

For stable use of Wi-Fi, it is not recommended to use DHCP.

---

3. Go to Wi-Fi settings page: **Configuration → Network → Advanced Configuration → Wi-Fi** .

4. Set and save the parameters.

   1) Click **Search**.

   2) Select a **SSID**, which should be the same as that of wireless router or AP.

   The parameters of the network is automatically shown in **Wi-Fi**.

   3) Select the **Network Mode** as **Manage**.

4) Input the key to connect the wireless network. The key should be that of the wireless network connection you set on the router.

What to do next
Go to TCP/IP settings page: **Configuration → Network → Basic Configuration → TCP/IP** , and click **Wlan** to check the **IPv4 Address** and log in the device.

7.10 Set Network Service

You can control the ON/OFF status of certain protocol as desired.

Steps

$\boxed{\mathbf{i}}$**Note**

This function varies according to different models.

1. Go to **Configuration → Network → Advanced Settings → Network Service** .
2. Set network service.

WebSocket & WebSockets

WebSocket or WebSockets protocol should be enabled if you use Google Chrome 57 and its above version or Mozilla Firefox 52 and its above version to visit the device. Otherwise, live view, image capture, digital zoom, etc. cannot be used.

If the device uses HTTP, enable WebSocket.

If the device uses HTTPS, enable WebSockets.

When you use WebSockets, select the **Server Certificate**.

$\boxed{\mathbf{i}}$**Note**

Complete certificate management before selecting server certificate. Refer to ***Certificate Management*** for detailed information.

SDK Service & Enhanced SDK Service

Check **Enable SDK Service** to add the device to the client software with SDK protocol.

Check **Enable Enhanced SDK Service** to add the device to the client software with SDK over TLS protocol.

When you use Enhanced SDK Service, select the **Server Certificate**.

$\boxed{\mathbf{i}}$**Note**

- Complete certificate management before selecting server certificate. Refer to ***Certificate Management*** for detailed information.
- When set up connection between the device and the client software, it is recommended to use Enhanced SDK Service and set the communication in Arming Mode to encrypt the data transmission. See the user manual of the client software for the arming mode settings.

TLS (Transport Layer Security)

The device offers TLS1.1, TLS1.2 and TLS1.3. Enable one or more protocol versions according to your need.

Bonjour

Uncheck to disable the protocol.

3. Click **Save**.

7.11 Set Open Network Video Interface

If you need to access the device through Open Network Video Interface protocol, you can configure the user settings to enhance the network security.

Steps

1. Go to **Configuration → Network → Advanced Settings → Integration Protocol** .
2. Check **Enable Open Network Video Interface**.
3. Click **Add** to configure the Open Network Video Interface user.

Delete   Delete the selected Open Network Video Interface user.

Modify   Modify the selected Open Network Video Interface user.

4. Click **Save**.
5. **Optional:** Repeat the steps above to add more Open Network Video Interface users.

7.12 Set ISUP

When the device is registered on ISUP platform (formerly called Ehome), you can visit and manage the device, transmit data, and forward alarm information over public network.

Steps

1. Go to **Configuration → Network → Advanced Settings → Platform Access** .
2. Select **ISUP** as the platform access mode.
3. Select **Enable**.
4. Select a protocol version and input related parameters.
5. Click **Save**.

Register status turns to **Online** when the function is correctly set.

7.13 Set Alarm Server

The device can send alarms to destination IP address or host name through HTTP, HTTPS, or ISUP protocol. The destination IP address or host name should support HTTP, HTTP, or ISUP data transmission.

Steps

1. Go to **Configuration → Network → Advanced Settings → Alarm Server** .

2. Enter **Destination IP or Host Name**, **URL**, and **Port**.

3. Optional: Check **Enable** to enable ANR.

4. Select **Protocol**.

> **⌷ⁱNote**
>
> HTTP, HTTPS, and ISUP are selectable. It is recommended to use HTTPS, as it encrypts the data transmission during communication.

5. Click **Test** to check if the IP or host is available.

6. Click **Save**.

7.14 Access Camera via Hik-Connect

Hik-Connect is an application for mobile devices. Using the App, you can view live image, receive alarm notification and so on.

Before You Start
Connect the camera to network with network cables.

Steps

1. Get and install Hik-Connect application by the following ways.

- Visit ***https://appstore.hikvision.com*** to download the application according to your mobile phone system.
- Visit the official site of our company. Then go to **Support → Tools → Hikvision App Store** .
- Scan the QR code below to download the application.

> **⌷ⁱNote**
>
> If errors like "Unknown app" occur during the installation, solve the problem in two ways.
>
> - Visit ***https://appstore.hikvision.com/static/help/index.html*** to refer to the troubleshooting.
> - Visit ***https://appstore.hikvision.com/*** , and click **Installation Help** at the upper right corner of the interface to refer to the troubleshooting.

2. Start the application and register for a Hik-Connect user account.

3. Log in after registration.

4. In the app, tap "+" on the upper-right corner and then scan the QR code of the camera to add the camera. You can find the QR code on the camera or on the cover of the Quick Start Guide of the camera in the package.

5. Follow the prompts to set the network connection and add the camera to your Hik-Connect account.

For detailed information, refer to the user manual of the Hik-Connect app.

7.14.1 Enable Hik-Connect Service on Camera

Hik-Connect service should be enabled on your camera before using the service.

You can enable the service through SADP software or Web browser.

Enable Hik-Connect Service via Web Browser

Follow the following steps to enable Hik-Connect Service via Web Browser.

Before You Start
You need to activate the camera before enabling the service.

Steps
1. Access the camera via web browser.
2. Enter platform access configuration interface. **Configuration → Network → Advanced Settings → Platform Access**
3. Select Hik-Connect as the **Platform Access Mode**.
4. Check **Enable**.
5. Click and read "Terms of Service" and "Privacy Policy" in pop-up window.
6. Create a verification code or change the old verification code for the camera.

> **Note**
> The verification code is required when you add the camera to Hik-Connect service.

7. Save the settings.

Enable Hik-Connect Service via SADP Software

This part introduce how to enable Hik-Connect service via SADP software of an activated camera.

Steps
1. Run SADP software.
2. Select a camera and enter **Modify Network Parameters** page.
3. Check **Enable Hik-Connect**.
4. Create a verification code or change the old verification code.

Note

The verification code is required when you add the camera to Hik-Connect service.

5. Click and read "Terms of Service" and "Privacy Policy".
6. Confirm the settings.

7.14.2 Set Up Hik-Connect

Steps

1. Get and install Hik-Connect application by the following ways.
   - Visit ***https://appstore.hikvision.com*** to download the application according to your mobile phone system.
   - Visit the official site of our company. Then go to **Support → Tools → Hikvision App Store** .
   - Scan the QR code below to download the application.

Note

If errors like "Unknown app" occur during the installation, solve the problem in two ways.

- Visit ***https://appstore.hikvision.com/static/help/index.html*** to refer to the troubleshooting.
- Visit ***https://appstore.hikvision.com/*** , and click **Installation Help** at the upper right corner of the interface to refer to the troubleshooting.

2. Start the application and register for a Hik-Connect user account.
3. Log in after registration.

7.14.3 Add Camera to Hik-Connect

Steps

1. Connect your mobile device to a Wi-Fi.
2. Log into the Hik-Connect app.
3. In the home page, tap "+" on the upper-right corner to add a camera.
4. Scan the QR code on camera body or on the *Quick Start Guide* cover.

Note

If the QR code is missing or too blur to be recognized, you can also add the camera by inputting the camera's serial number.

5. Input the verification code of your camera.

🔲**i**|**Note**

- The required verification code is the code you create or change when you enable Hik-Connect service on the camera.
- If you forget the verification code, you can check the current verification code on **Platform Access** configuration page via web browser.

6. Tap **Connect to a Network** button in the popup interface.

7. Choose **Wired Connection** or **Wireless Connection** according to your camera function.

Wireless Connection	Input the Wi-Fi password that your mobile phone has connected to, and tap **Next** to start the Wi-Fi connection process. (Locate the camera within 3 meters from the router when setting up the Wi-Fi.)
Wired Connection	Connect the camera to the router with a network cable and tap **Connected** in the result interface.

🔲**i**|**Note**

The router should be the same one which your mobile phone has connected to.

8. Tap **Add** in the next interface to finish adding.

For detailed information, refer to the user manual of the Hik-Connect app.

Chapter 8 Arming Schedule and Alarm Linkage

Arming schedule is a customized time period in which the device performs certain tasks. Alarm linkage is the response to the detected certain incident or target during the scheduled time.

8.1 Set Arming Schedule

Set the valid time of the device tasks.

Steps
1. Click **Arming Schedule**.
2. Drag the time bar to draw desired valid time.

   $\boxed{i}$**Note**

   Up to 8 periods can be configured for one day.
3. Adjust the time period.
   - Click on the selected time period, and enter the desired value. Click **Save**.
   - Click on the selected time period. Drag the both ends to adjust the time period.
   - Click on the selected time period, and drag it on the time bar.
4. **Optional:** Click **Copy to...** to copy the same settings to other days.
5. Click **Save**.

8.2 Linkage Method Settings

You can enable the linkage functions when an event or alarm occurs.

8.2.1 Trigger Alarm Output

If the device has been connected to an alarm output device, and the alarm output No. has been configured, the device sends alarm information to the connected alarm output device when an alarm is triggered.

Steps

$\boxed{i}$**Note**

This function is only supported by certain models.

1. Go to **Configuration → Event → Basic Event → Alarm Output** .
2. Set alarm output parameters.

   Automatic Alarm   For the information about the configuration, see ***Automatic Alarm*** .

Manual Alarm   For the information about the configuration, see ***Manual Alarm*** .

3. Click **Save**.

Manual Alarm

You can trigger an alarm output manually.

Steps

1. Set the manual alarm parameters.

Alarm Output No.

Select the alarm output No. according to the alarm interface connected to the external alarm device.

Alarm Name

Edit a name for the alarm output.

Delay

Select **Manual**.

2. Click **Manual Alarm** to enable manual alarm output.

3. Optional: Click **Clear Alarm** to disable manual alarm output.

Automatic Alarm

Set the automatic alarm parameters, then the device triggers an alarm output automatically in the set arming schedule.

Steps

1. Set automatic alarm parameters.

Alarm Output No.

Select the alarm output No. according to the alarm interface connected to the external alarm device.

Alarm Name

Custom a name for the alarm output.

Delay

It refers to the time duration that the alarm output remains after an alarm occurs.

2. Set the alarming schedule. For the information about the settings, see ***Set Arming Schedule*** .

3. Click **Copy to...** to copy the parameters to other alarm output channels.

4. Click **Save**.

8.2.2 FTP/NAS/Memory Card Uploading

If you have enabled and configured the FTP/NAS/memory card uploading, the device sends the alarm information to the FTP server, network attached storage and memory card when an alarm is triggered.

Refer to **_Set FTP_** to set the FTP server.

Refer to **_Set NAS_** for NAS configuration.

Refer to **_Set New or Unencrypted Memory Card_** for memory card storage configuration.

8.2.3 Send Email

Check **Send Email**, and the device sends an email to the designated addresses with alarm information when an alarm event is detected.

For email settings, refer to **_Set Email_** .

Set Email

When the email is configured and **Send Email** is enabled as a linkage method, the device sends an email notification to all designated receivers if an alarm event is detected.

Before You Start
Set the DNS server before using the Email function. Go to **Configuration → Network → Basic Settings → TCP/IP** for DNS settings.

Steps
1. Go to email settings page: **Configuration → Network → Advanced Settings → Email** .
2. Set email parameters.
    1) Input the sender's email information, including the **Sender's Address**, **SMTP Server**, and **SMTP Port**.
    2) **Optional:** If your email server requires authentication, check **Authentication** and input your user name and password to log in to the server.
    3) Set the **E-mail Encryption**.
    - When you select **SSL** or **TLS**, and disable STARTTLS, emails are sent after encrypted by SSL or TLS. The SMTP port should be set as 465.
    - When you select **SSL** or **TLS** and **Enable STARTTLS**, emails are sent after encrypted by STARTTLS, and the SMTP port should be set as 25.

    ⓘ**Note**

    If you want to use STARTTLS, make sure that the protocol is supported by your email server. If you check the **Enable STARTTLS** while the protocol is not supported by your email sever, your email is sent with no encryption.

4) **Optional:** If you want to receive notification with alarm pictures, check **Attached Image**. The notification email has 3 attached alarm pictures about the event with configurable image capturing interval.

5) Input the receiver's information, including the receiver's name and address.

6) Click **Test** to see if the function is well configured.

3. Click **Save**.

8.2.4 Notify Surveillance Center

Check **Notify Surveillance Center**, the alarm information is uploaded to the surveillance center when an alarm event is detected.

8.2.5 Trigger Recording

Check **Trigger Recording**, and the device records the video about the detected alarm event.

For recording settings, refer to ***Video Recording and Picture Capture*** .

8.2.6 Flashing Light

After enabling **Flashing Light** and setting the **Flashing Light Alarm Output**, the light flashes when an alarm event is detected.

Set Flashing Alarm Light Output

Steps

1. Go to **Configuration → Event → Basic Event → Flashing Alarm Light Output** .

2. Set **Flashing Duration**, **Flashing Frequency** and **Brightness**.

Flashing Duration

The time period the flashing lasts when one alarm happens.

Flashing Frequency

The flashing speed of the light. High, Medium, and Low are selectable.

Brightness

The brightness of the light.

3. Edit the arming schedule.

4. Click **Save**.

⍰Note

Only certain camera models support the function.

8.2.7 Audible Warning

After enabling **Audible Warning** and setting **Audible Alarm Output**, the built-in speaker of the device or connected external speaker plays warning sounds when an alarm happens.

For audible alarm output settings, refer to ***Set Audible Alarm Output*** .

⌷**i**⌷**Note**

The function is only supported by certain camera models.

Set Audible Alarm Output

When the device detects targets in the detection area, audible alarm can be triggered as a warning.

Steps
1. Go to **Configuration → Event → Basic Event → Audible Alarm Output** .
2. Select **Sound Type** and set related parameters.
   - Select **Prompt** and set the alarm times you need.
   - Select **Warning** and its contents. Set the alarm times you need.
   - Select **Custom Audio**. You can select a custom audio file from the drop-down list. If no file is available, you can click **Add** to upload an audio file that meets the requirement. Up to three audio files can be uploaded.
3. **Optional:** Click **Test** to play the selected audio file on the device.
4. Set arming schedule for audible alarm. See ***Set Arming Schedule*** for details.
5. Click **Save**.

⌷**i**⌷**Note**

The function is only supported by certain device models.

Chapter 9 System and Security

It introduces system maintenance, system settings and security management, and explains how to configure relevant parameters.

9.1 View Device Information

You can view device information, such as Device No., Model, Serial No. and Firmware Version.

Enter **Configuration → System → System Settings → Basic Information** to view the device information.

9.2 Search and Manage Log

Log helps locate and troubleshoot problems.

Steps
1. Go to **Configuration → System → Maintenance → Log** .
2. Set search conditions **Major Type**, **Minor Type**, **Start Time**, and **End Time**.
3. Click **Search**.

   The matched log files will be displayed on the log list.
4. **Optional:** Click **Export** to save the log files in your computer.

9.3 Simultaneous Login

The administrator can set the maximum number of users logging into the system through web browser simultaneously.

Go to **Configuration → System → User Management** , click **General** and set **Simultaneous Login**.

9.4 Import and Export Configuration File

It helps speed up batch configuration on other devices with the same parameters.

Enter **Configuration → System → Maintenance → Upgrade & Maintenance** . Choose device parameters that need to be imported or exported and follow the instructions on the interface to import or export configuration file.

9.5 Export Diagnose Information

Diagnose information includes running log, system information, hardware information.

Go to **Configuration → System → Maintenance → Upgrade & Maintenance** , and click **Diagnose Information** to export diagnose information of the device.

9.6 Reboot

You can reboot the device via browser.

Go to **Configuration → System → Maintenance → Upgrade & Maintenance** , and click **Reboot**.

9.7 Restore and Default

Restore and Default helps restore the device parameters to the default settings.

Steps
1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance** .
2. Click **Restore** or **Default** according to your needs.

Restore	Reset device parameters, except user information, IP parameters and video format to the default settings.
Default	Reset all the parameters to the factory default.

> **⬛ⅈNote**
>
> Be careful when using this function. After resetting to the factory default, all the parameters are reset to the default settings.

9.8 Upgrade

Before You Start
You need to obtain the correct upgrade package.

> **⚠Caution**
>
> DO NOT disconnect power during the process, and the device reboots automatically after upgrade.

Steps
1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance** .
2. Choose one method to upgrade.

Firmware	Locate the exact path of the upgrade file.

Firmware Directory Locate the directory which the upgrade file belongs to.

3. Click **Browse** to select the upgrade file.

4. Click **Upgrade**.

9.9 Device Auto Maintenance

Steps

1. Check **Enable Auto Maintenance**.

2. Read the prompt information and click **OK**.

3. Select the date and time you want to restart the device.

4. Click **Save**.

☐**i**▯**Note**

This function is only available for Administrator.

⚠**Warning**

After enabling auto maintenance, the device will automatically restart according to the maintenance plan. The device cannot record video during the restarting process.

9.10 View Open Source Software License

Go to **Configuration → System → System Settings → About** , and click **View Licenses**.

9.11 Wiegand

☐**i**▯**Note**

This function is only supported by certain camera models.

Check **Enable** and select the protocol. The default protocol is SHA-1 26bit.

If enabled, the recognized license plate number will be output via the selected Wiegand protocol.

9.12 Metadata

Metadata is the raw data that the camera collects before algorithm processing. It provide the option to users to explore various data usages.

☐**i**▯**Note**

The function is only supported by certain device models.

Go to **Configuration → System → Metadata Settings** to enable metadata uploading of the desired function.

Smart Event

The metadata of the smart event includes the target ID, target coordinate, time, etc.

9.13 Time and Date

You can configure time and date of the device by configuring time zone, time synchronization and Daylight Saving Time (DST).

9.13.1 Synchronize Time Manually

Steps
1. Go to **Configuration → System → System Settings → Time Settings** .
2. Select **Time Zone**.
3. Click **Manual Time Sync.**.
4. Choose one time synchronization method.
   - Select **Set Time**, and manually input or select date and time from the pop-up calendar.
   - Check **Sync. with computer time** to synchronize the time of the device with that of the local PC.
5. Click **Save**.

9.13.2 Set NTP Server

You can use NTP server when accurate and reliable time source is required.

Before You Start
Set up a NTP server or obtain NTP server information.

Steps
1. Go to **Configuration → System → System Settings → Time Settings** .
2. Select **Time Zone**.
3. Click **NTP**.
4. Set **Server Address**, **NTP Port** and **Interval**.

   ☐**i****Note**

   Server Address is NTP server IP address.
5. Click **Test** to test server connection.
6. Click **Save**.

9.13.3 Synchronize Time by Satellite

ⓘNote

This function varies depending on different devices.

Steps

1. Enter **Configuration → System → System Settings → Time Settings** .

2. Select **Satellite Time Sync.**.

3. Set **Interval**.

4. Click **Save**.

9.13.4 Set DST

If the region where the device is located adopts Daylight Saving Time (DST), you can set this function.

Steps

1. Go to **Configuration → System → System Settings → DST** .

2. Check **Enable DST**.

3. Select **Start Time**, **End Time** and **DST Bias**.

4. Click **Save**.

9.14 Set RS-485

RS-485 is used to connect the device to external device. You can use RS-485 to transmit the data between the device and the computer or terminal when the communication distance is too long.

Before You Start

Connect the device and computer or termial with RS-485 cable.

Steps

1. Go to **Configuration → System → System Settings → RS-485** .

2. Set the RS-485 parameters.

ⓘNote

You should keep the parameters of the device and the computer or terminal all the same.

---

3. Click **Save**.

9.15 Set RS-232

RS-232 can be used to debug device or access peripheral device. RS-232 can realize communication between the device and computer or terminal when the communication distance is short.

Before You Start
Connect the device to computer or terminal with RS-232 cable.

Steps
1. Go to **Configuration → System → System Settings → RS-232** .
2. Set RS-232 parameters to match the device with computer or terminal.
3. Click **Save**.

9.16 Power Consumption Mode

It is used to switch the power consumption when the device is working.

ⓘNote
The function is only supported by certain camera models.

Go to **Configuration → System → System Settings → Power Consumption Mode** , select the desired power consumption mode.
Full Consumption Mode
The device works with all the functions enabled.
Low Consumption Real-Time Mode
The device DSP works normally. It records the videos with the main stream at the half frame rate, and supports the remote login, preview and the configuration.
Low Power Sleep
When the device power is lower than **Threshold of Low Power Sleep Mode**, the device enters sleep mode.

When the device power is recovered to 10% above the threshold, the device enters the user configuration mode.
Scheduled Sleep
If the device is during **Scheduled Sleep Time**, it enters the sleep mode, otherwise it enters the user configuration mode.

ⓘNote
For the scheduled sleep schedule settings, see ***Arming Schedule and Alarm Linkage*** .
The device supports the timing wake. For the details, see ***Set Timing Wake*** .

9.17 External Device

For the device supporting external devices, including the supplement light, wiper on the housing, the LED light, and heater, you can control them via the Web browser when it is used with the housing. External devices vary with models.

9.17.1 Supplement Light Settings

You can set supplement light and refer to the actual device for relevant parameters.

Smart Supplement Light

Smart supplement light avoids over exposure when the supplement light is on.

Supplement Light Mode

When the device supports supplement light, you can select supplement light mode.

IR Mode

IR light is enabled.

White Light Mode

White light is enabled.

Mix Mode

Both IR light and white light are enabled.

Off

Supplement light is disabled.

Brightness Adjustment Mode

Auto

The brightness adjusts according to the actual environment automatically.

Manual

You can drag the slider or set value to adjust the brightness.

9.17.2 Window Heater

You can enable the window heater to remove mist around the lens of the device.

Go to **Configuration → System → System Settings → External Device** and select the mode as required.

Note

When the supplement light is on, the power of window heater will be decreased.

9.18 Security

You can improve system security by setting security parameters.

9.18.1 Authentication

You can improve network access security by setting RTSP and WEB authentication.

Go to **Configuration → System → Security → Authentication** to choose authentication protocol and method according to your needs.

RTSP Authentication

Digest and digest/basic are supported, which means authentication information is needed when RTSP request is sent to the device. If you select **digest/basic**, it means the device supports digest or basic authentication. If you select **digest**, the device only supports digest authentication.

RTSP Digest Algorithm

MD5, SHA256 and MD5/SHA256 encrypted algorithm in RTSP authentication. If you enable the digest algorithm except for MD5, the third-party platform might not be able to log in to the device or enable live view because of compatibility. The encrypted algorithm with high strength is recommended.

WEB Authentication

Digest and digest/basic are supported, which means authentication information is needed when WEB request is sent to the device. If you select **digest/basic**, it means the device supports digest or basic authentication. If you select **digest**, the device only supports digest authentication.

WEB Digest Algorithm

MD5, SHA256 and MD5/SHA256 encrypted algorithm in WEB authentication. If you enable the digest algorithm except for MD5, the third-party platform might not be able to log in to the device or enable live view because of compatibility. The encrypted algorithm with high strength is recommended.

⌷**Note**

Refer to the specific content of protocol to view authentication requirements.

9.18.2 Set IP Address Filter

IP address filter is a tool for access control. You can enable the IP address filter to allow or forbid the visits from the certain IP addresses.

IP address refers to IPv4.

Steps

1. Go to **Configuration → System → Security → IP Address Filter** .
2. Check **Enable IP Address Filter**.
3. Select the type of IP address filter.

    Forbidden   IP addresses in the list cannot access the device.

    Allowed   Only IP addresses in the list can access the device.
4. Edit the IP address filter list.

    Add   Add a new IP address or IP address range to the list.

    Modify   Modify the selected IP address or IP address range in the list.

    Delete   Delete the selected IP address or IP address range in the list.
5. Click **Save**.

9.18.3 Set HTTPS

HTTPS is a network protocol that enables encrypted transmission and identity authentication, which improves the security of remote access.

Steps

1. Go to **Configuration → Network → Advanced Settings → HTTPS** .
2. Check **Enable** to access the camera via HTTP or HTTPS protocol.
3. Check **Enable HTTPS Browsing** to access the camera only via HTTPS protocol.
4. Select the **Server Certificate**.
5. Click **Save**.

☐**i**|**Note**

If the function is abnormal, check if the selected certificate is abnormal in **Certificate Management**.

9.18.4 Set QoS

QoS (Quality of Service) can help improve the network delay and network congestion by setting the priority of data sending.

☐**i**|**Note**

QoS needs support from network device such as router and switch.

Steps

1. Go to **Configuration → Network → Advanced Configuration → QoS** .
2. Set **Video/Audio DSCP**, **Alarm DSCP** and **Management DSCP**.

⌂**Note**

Network can identify the priority of data transmission. The bigger the DSCP value is, the higher the priority is. You need to set the same value in router while configuration.

3. Click **Save**.

9.18.5 Set IEEE 802.1X

IEEE 802.1x is a port-based network access control. It enhances the security level of the LAN/WLAN. When devices connect to the network with IEEE 802.1x standard, the authentication is needed.

Go to **Configuration → Network → Advanced Settings → 802.1X** , and enable the function.

Set **Protocol** and **EAPOL Version** according to router information.

Protocol

EAP-LEAP, EAP-TLS, and EAP-MD5 are selectable

EAP-LEAP and EAP-MD5

If you use EAP-LEAP or EAP-MD5, the authentication server must be configured. Register a user name and password for 802.1X in the server in advance. Input the user name and password for authentication.

EAP-TLS

If you use EAP-TLS, input Identify, Private Key Password, and upload CA Certificate, User Certificate and Private Key.

EAPOL Version

The EAPOL version must be identical with that of the router or the switch.

9.18.6 Control Timeout Settings

If this function is enabled, you will be logged out when you make no operation (not including viewing live image) to the device via web browser within the set timeout period.

Go to **Configuration → System → Security → Advanced Security** to complete settings.

9.18.7 Search Security Audit Logs

You can search and analyze the security log files of the device so as to find out the illegal intrusion and troubleshoot the security events.

Steps

ⓘ**Note**

This function is only supported by certain camera models.

1. Go to **Configuration → System → Maintenance → Security Audit Log** .

2. Select log types, **Start Time**, and **End Time**.

3. Click **Search**.

   The log files that match the search conditions will be displayed on the Log List.

4. **Optional:** Click **Export** to save the log files to your computer.

9.18.8 Security Reinforcement

Security reinforce is a solution to enhance network security. With the function enabled, risky functions, protocols, ports of the device are disabled and more secured alternative functions, protocols and ports are enabled.

Go to **Configuration → System → Security → Advanced Security** . Check **Security Reinforcement**, and click **Save**.

9.18.9 SSH

Secure Shell (SSH) is a cryptographic network protocol for operating network services over an unsecured network.

Go to **Configuration → System → Security → Security Service** , and check **Enable SSH**.

The SSH function is disabled by default.

⚠**Caution**

Use the function with caution. The security risk of device internal information leakage exists when the function is enabled.

9.19 Certificate Management

It helps to manage the server/client certificates and CA certificate, and to send an alarm if the certificates are close to expiry date, or are expired/abnormal.

ⓘ**Note**

The function is only supported by certain device models.

9.19.1 Create Self-signed Certificate

Steps
1. Click **Create Self-signed Certificate**.
2. Follow the prompt to enter **Certificate ID**, **Country/Region**, **Hostname/IP**, **Validity** and other parameters.

[i] **Note**

The certificate ID should be digits or letters and be no more than 64 characters.

3. Click **OK**.
4. **Optional:** Click **Export** to export the certificate, or click **Delete** to delete the certificate to recreate a certificate, or click **Certificate Properties** to view the certificate details.

9.19.2 Create Certificate Request

Before You Start
Select a self-signed certificate.

Steps
1. Click **Create Certificate Request**.
2. Enter the related information.
3. Click **OK**.

9.19.3 Import Certificate

Steps
1. Click **Import**.
2. Click **Create Certificate Request**.
3. Enter the **Certificate ID**.
4. Click **Browser** to select the desired server/client certificate.
5. Select the desired import method and enter the required information.
6. Click **OK**.
7. **Optional:** Click **Export** to export the certificate, or click **Delete** to delete the certificate to recreate a certificate, or click **Certificate Properties** to view the certificate details.

[i] **Note**

- Up to 16 certificates are allowed.
- If certain functions are using the certificate, it cannot be deleted.
- You can view the functions that are using the certificate in the functions column.
- You cannot create a certificate that has the same ID with that of the existing certificate and import a certificate that has the same content with that of the existing certificate.

9.19.4 Install Server/Client Certificate

Steps

1. Go to **Configuration → System → Security → Certificate Management** .

2. Click **Create Self-signed Certificate**, **Create Certificate Request** and **Import** to install server/client certificate.

Create self-signed certificate	Refer to ***Create Self-signed Certificate***
Create certificate request	Refer to ***Create Certificate Request***
Import Certificate	Refer to ***Import Certificate***

9.19.5 Install CA Certificate

Steps

1. Click **Import**.

2. Enter the **Certificate ID**.

3. Click **Browser** to select the desired server/client certificate.

4. Select the desired import method and enter the required information.

5. Click **OK**.

�**Note**

Up to 16 certificates are allowed.

9.19.6 Enable Certificate Expiration Alarm

Steps

1. Check **Enable Certificate Expiration Alarm**. If enabled, you will receive an email or the camera links to the surveillance center that the certificate will expire soon, or is expired or abnormal.

2. Set the **Remind Me Before Expiration (day)**, **Alarm Frequency (day)** and **Detection Time (hour)**.

⎰**Note**

- If you set the reminding day before expiration to 1, then the camera will remind you the day before the expiration day. 1 to 30 days are available. Seven days is the default reminding days.
- If you set the reminding day before expiration to 1, and the detection time to 10:00, and the certificate will expire in 9:00 the next day, the camera will remind you in 10:00 the first day.

3. Click **Save**.

9.20 User and Account

9.20.1 Set User Account and Permission

The administrator can add, modify, or delete other accounts, and grant different permission to different user levels.

⚠**Caution**

To increase security of using the device on the network, please change the password of your account regularly. Changing the password every 3 months is recommended. If the device is used in high-risk environment, it is recommended that the password should be changed every month or week.

Steps
1. Go to **Configuration → System → User Management → User Management** .
2. Click **Add**. Enter **User Name**, select **Level**, and enter **Password**. Assign remote permission to users based on needs.

   Administrator

   The administrator has the authority to all operations and can add users and operators and assign permission.

   User

   Users can be assigned permission of viewing live video, setting PTZ parameters, and changing their own passwords, but no permission for other operations.

   Operator

   Operators can be assigned all permission except for operations on the administrator and creating accounts.

Modify	Select a user and click **Modify** to change the password and permission.
Delete	Select a user and click **Delete**.

   ⓘ**Note**

   The administrator can add up to 31 user accounts.
3. Click **OK**.

9.20.2 Simultaneous Login

The administrator can set the maximum number of users logging into the system through web browser simultaneously.

Go to **Configuration → System → User Management** , click **General** and set **Simultaneous Login**.

9.20.3 Online Users

The information of users logging into the device is shown.

Go to **Configuration → System → User Management → Online Users** to view the list of online users.

Chapter 10 Allocate VCA Resource

VCA resource offers you options to enable certain VCA functions according to actual needs. It helps allocate more resources to the desired functions.

Steps

1. Go to **Configuration → System → System Settings → VCA Resource** .
2. Select desired VCA functions.
3. Save the settings.

---

i **Note**

Certain VCA functions are mutually exclusive. When a certain function or functions are selected and saved, others will be hidden.

10.1 Road Traffic

Motor vehicle, non-motor vehicle, and pedestrian can be detected and captured when they enter the set lane and the relevant information together with the captured picture will be uploaded.

---

i **Note**

Only certain device models support this function.

10.1.1 Set Vehicle Detection

The vehicles that enter the set lane can be detected and the picture of the vehicle and its license plate can be captured and stored. Alarms will be triggered and captures can be uploaded.

Before You Start

Go to **VCA → VCA Resources** , and select **Road Traffic**.

Steps

1. Go to **VCA → Road Traffic → Detection Configuration** , and select **Vehicle Detection** as detection type.
2. Check **Enable**.
3. Select the total number of lanes.
4. Click and drag the lane line to set its position, or click and drag the line end to adjust the length and angle of the line.
5. Adjust the zoom ratio of the camera so that the size of the vehicle in the image is close to that of the red frame. Only the position of red frame is adjustable.

ⓘNote

Only 1 license plate can be captured at one time for each lane.

---

6. Select **Region** and **Country/Region**.

7. Select the license plate information upload mode.

Entrance/Exit	The license plate information of the detected vehicle will be uploaded when the vehicle passes the detection area and triggers the detection in entrance/exit.
City Street	The license plate information of the detected vehicle will be uploaded when the vehicle passes the detection area and triggers the detection in city streets.
Alarm Input	It means the input alarm will trigger a license plate capture and recognition action.

ⓘNote

- When Alarm Input is selected, the alarm input A<-1 will automatically be assigned to trigger vehicle detection and its alarm type is always NO.
- If the A<-1 alarm input is used to trigger vehicle detection, it can not be used for other basic events.
- When Alarm Input is selected and saved, previously configured linkage method for A<-1 will be canceled.

---

8. Select the **Detection mode**.

9. Check **Remove Duplicated License Plates** ans set the **Time Interval**. The default time interval is 4 minutes.

ⓘNote

Up to 8 license plates are supported.

---

10. Set arming schedule and linkage method. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .

11. Click **Save**.

10.1.2 Set Mixed-Traffic Detection Rule

The motor vehicles and non-motor vehicles that enter the set lane can be detected, and the picture of targets can be captured and stored. Alarms will be triggered and captures can be uploaded.

Before You Start
Go to **VCA → VCA Resources** , and select **Road Traffic**.

Steps

1. Go to **VCA → Road Traffic → Detection Configuration** , and select **Mixed-traffic Detection** as detection type.
2. Check **Enable**.
3. Select the total number of lanes.
4. Click and drag the lane line to set its position, or click and drag the line end to adjust the length and angle of the line.
5. Adjust the zoom ratio of the camera so that the size of the vehicle in the image is close to that of the red frame. Only the position of red frame is adjustable.

> **Note**
>
> Only 1 license plate can be captured at one time for each lane.

6. Select **Region** and **Country/Region**.
7. Check **Remove Duplicated License Plates** ans set **Time Interval**. The default time interval is 4 minutes.

> **Note**
>
> Up to 8 license plates are supported.

8. Set arming schedule and linkage method. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .
9. Click **Save**.

10.1.3 Uploading Pictures Settings

You can set the image parameters of the captured images in vehicle detection and mixed-traffic detection.

Go to **VCA → Road Traffic → Picture** .

Picture Quality

The larger the value is, the clearer the picture is, but larger storage space is also required.

Picture Size

The larger the value is, the larger the storage space is needed. And the level of network transmission requirement is also higher.

License Plate Enhancement

The larger the value is, the clearer the license plate is, but larger storage space is also required.

Check **License Plate Enhancement** and set the level. The default level is 50.

> **Note**
>
> Only certain device models support this function.

Overlay

You can overlay camera, device or vehicle information on the captured image and click ↟ ↡ to adjust the order of overlay texts.

10.1.4 Camera Settings

You can set the parameters of each camera for better management.

Go to **Configuration → Road Traffic → Camera** to set relevant parameters and click **Save**.

10.1.5 Import or Export Blocklist & Allowlist

You can import and export the blocklist and allowlist as desired, and check the list content in this interface.

Steps

1. Click **Browse** to open the PC local directory.
2. Find the blocklist & allowlist file and click to select it. Click **Open** to confirm.

   ⓘ**Note**
   - The file to import should corresponds with the file template that is required by the camera. You are recommended to export an empty blocklist & allowlist file from the camera as the template and fill in the content.
   - The file should be in the .xls format and the cell format should be Text.

3. Click **Import** to import the selected file.
4. Click **Export** to open the PC local directory.
5. Select a directory in your PC local directory.
6. Name the file in the file name text filed.
7. Click **Save**.

10.2 Face Capture

The device can capture the face that appears in the configured area, and the face information will be uploaded with the captured picture as well.

ⓘ**Note**
- For device that supports face capture, you need to enable the function in **VCA Resource**. Refer to ***Allocate VCA Resource*** for details.
- Face capture is only supported by certain models.

10.2.1 Set Face Capture

The face that appears in the configured area can be captured.

Before You Start
To enable the function, go to **VCA → VCA Resource** and select **Face Recognition**.

Steps
1. Go to **VCA → Face Capture** .
2. For shield region settings, refer to ***Set Shield Region*** .
3. Select **Rule** and check **Rule**.
4. Input the min. pupil distance in the text field, or click ▢ to draw the min. pupil distance.

    Min. Pupil Distance

        The min. pupil distance refers to the minimum area between two pupils, and it is basic for the device to recognize a face.

5. Input the max. pupil distance in the text field, or click ▢ to draw the max. pupil distance.
6. Click ⬡ to draw the detection area you want the face capture to take effect. Draw area by left-clicking end-points in the live view window, and right-clicking to finish the area drawing. It is recommended that the drawn area occupies 1/2 to 2/3 of the live view image.
7. For the arming schedule settings, refer to ***Set Arming Schedule*** . For the linkage method settings, refer to ***Linkage Method Settings*** .
8. Click **Save**.
9. For overlay and capture settings, refer to ***Overlay and Capture*** . For advanced parameters settings, refer to ***Face Capture Algorithms Parameters*** .

Result

You can view and download captured face images in **Picture**. Refer to ***View and Download Picture*** for details.

10.2.2 Overlay and Capture

Choose to configure capture parameters and the information you want to display on stream and picture.

Display VCA info. on Stream

    Display smart information on stream, including the target and rules information.

Display Target info. on Alarm Picture

    Overlay the alarm picture with target information.

Target Picture Settings

    Custom, Head Shot, Half-Body Shot and Full-Body Shot are selectable.

📖**Note**

If you select **Custom**, you can customize **width**, **head height** and **body height** as required.

You can check **Fixed Value** to set the picture height.

Face Beautification

Check **Face Beautification** and adjust the beautification level as needed.

📖**Note**

Face Beautification slightly adjusts skin tone and reduces facial noise.

Face Enhancement

Check **Face Enhancement** and the device is able to capture better and clearer face pictures when it is dark.

Background Picture Settings

Comparing to target picture, background picture is the scene image which offers extra environmental information. You can set the background picture quality and resolution. If the background image need to be uploaded to the surveillance center, check **Background Upload**. For some devices, you can also check **Face Picture** to upload the captured face picture.

Camera

You can set **Device No.** and **Camera Info.** for the camera, which can be overlaid on captured picture.

Text Overlay

You can check desired items and adjust their order to display on captured pictures by ⬇ ⬆ .

The content of **Device No.** and **Camera Info** should be on the same page.

10.2.3 Face Capture Algorithms Parameters

It is used to set and optimize the parameters of the algorithm library for face capture.

Go to **VCA → Face Capture → Advanced Parameters Configuration** .

Face Capture Version

It lists the version of the algorithms library.

Capture Parameters

Upload Feature

Feature stands for the feature information the algorithm can tell from face pictures. For example, gender, facial expression, wearing glasses or not, etc. Check the function to upload the information.

Best Shot

The best shot after target leaves the detection area.

Capture Times

It refers to the capture times a face will be captured during its stay in the configured area. The default value is 1.

Capture Threshold

It stands for the quality of face to trigger capture and alarm. Higher value means better quality should be met to trigger capture and alarm.

Quick Shot

You can define quick shot threshold and max. capture interval.

Quick Shot Threshold

It stands for the quality of face to trigger quick shot.

Remove Duplicated Faces

This function can filter out repeated captures of certain face.

Similarity Threshold for Duplicates Removing

It is the similarity between the newly captured face and the picture in the duplicates removing library. When the similarity is higher than the value you set, the captured picture is regarded as a duplicated face and will be dropped.

Duplicates Removing Library Grading Threshold

It is the face grading threshold that triggers duplicates checking. When the face grading is higher than the set value, the captured face is compared with the face pictures that are already in the duplicates removing library.

Duplicates Removing Library Update Time

Every face picture is kept in the duplicates removing library for the set update time.

Face Exposure

Check the checkbox to enable the face exposure.

Reference Brightness

The reference brightness of a face in the face exposure mode. If a face is detected, the camera adjusts the face brightness according to the value you set. The higher the value, the brighter the face is.

Minimum Duration

The minimum duration of the camera exposures the face.

[i]**Note**

If the face exposure is enabled, please make sure the WDR function is disabled, and the manual iris is selected.

Face Filtering Time

It means the time interval between the camera detecting a face and taking a capture action. If the detected face stays in the scene for less than the set filtering time, capture will not be triggered. For example, if the face filtering time is set as 5 seconds, the camera will capture the detected face when the face keeps staying in the scene for 5 seconds.

⌐ⁱ Note

The face filtering time (longer than 0s) may increase the possibility of the actual capture times less than the set value above.

Facial Posture Filter

Facial posture filter can filter out face of certain postures. The figure on the right of the slider stands for the posture angle which is acceptable in the face capture action. Click ⓘ to display the diagram illustrating the face turning direction when setting up this filter.

Restore Default

Click **Restore** to restore all the settings in advanced configuration to the factory default.

10.2.4 Set Shield Region

The shield region allows you to set the specific region in which the set smart function rule is invalid.

Steps

1. Select **Shield Region**.
2. Click ⬡ to draw shield area. Repeat this step above to set more shield regions.
3. **Optional:** Click ✖ to delete the drawn areas.
4. Click **Save**.

Chapter 11 Smart Display

This function displays real time pictures captured by smart functions and analyzes the target in real time.

ⓘNote

The function is only supported when certain smart functions are enabled.

Live View Parameter

Icon	Function
⊡	Capture a picture.
⊚	Start or stop recording.
🔊▬▬●▬▬	Adjust the volume of live view. Move the slider to right to turn up the volume and left to turn down the volume. Move to the left end to mute the live view.

Download Display Pictures

Click ▧ and the device stores captured pictures to the browser cache. Hover the pointer over the icon to see the number of pictures in the cache. Click ▧ again to download the pictures in a package.

ⓘNote

The browser cache has a limited size. The recommended number of pictures to download is no more than 200.

Layout

Click ▤ and choose **Layout**. Check the display content you need to add it to the smart display page. When real-time analyze is selected, you can choose the contents you want to display.

Detect Feature

Click ▤ and choose **Detect Feature**. Check the corresponding checkbox to display the features of the detection target.

Chapter 12 EPTZ

EPTZ (Electronic PTZ) is a high-resolution function that digitally zooms and pans into portions of the image, with no physical camera movement. If you want to use the EPTZ function, make sure you have select the **Fourth Stream** in the live view. Fourth stream and EPTZ should be both enabled simultaneously.

$\boxed{i}$**Note**

The function is only supported by certain device models.

12.1 Patrol

Steps
1. Go to **Configuration → EPTZ** .
2. Check **Enable EPTZ**.
3. Check **Fourth Stream**.
4. Select **Patrol** in **Application**.
5. Click **Save**.

What to do next
For the detailed information about the patrol settings, see the PTZ operations on live view page.

12.2 Auto-Tracking

Steps
1. Go to **Configuration → EPTZ** .
2. Check **Enable EPTZ**.
3. Check **Fourth Stream**.
4. Select **Auto-tracking** in **Application**.
5. Click **Detection Area** to start drawing.
6. Click on the live video to specify the four vertexes of the detection area, and right click to complete drawing.
7. Set rules.

Detection Target	Human and vehicle are available. If the detection target is not selected, all the detected targets will be tracked, including the human and vehicle. $\boxed{i}$**Note** Only certain camera models support this function.

Sensitivity   It stands for the percentage of the body part of an acceptable target that is tracked. Sensitivity = 100 - S1/ST × 100. S1 stands for the target body part that enters the pre-defined area. ST stands for the complete target body. The higher the value of sensitivity is, the more easily the target can be tracked.

8. Click **Save**.

Chapter 13 Image Stitching

You can switch the video output mode for the camera according to your actual demand.

Steps

⚠**Note**

- The function is only supported by certain device models.
- The actual video output mode varies according to different models. The actual model prevails.

1. Go to **Configuration → System → System Settings → Image Stitching** .
2. Select the desired video output mode.

Panorama + ePTZ	One stitched panoramic image (8 MP) and multiple channels ePTZ images. Channel 01 is the 8 MP panoramic image, and channel 02 and the subsequent channels are ePTZ images. You can set the number of the channels for the ePTZ image. Ten channels are available. For example, if you set the number of the ePTZ channels to 6, then the live view is seven channels: one 8 MP panoramic image and six ePTZ images.
Panorama	One stitched panoramic image (32 MP) and the panoramic image output from 1 or 3 encoder track.
Original	Four independent original images (8 MP). Take the pendent mounting as an example, when facing the camera lens, the channel order is 01 ~ 04 from right to left.
Divided Panorama	The stitched 32 MP panoramic image is divided into four 8 MP images.
Encoder Track	Stream can be divided into several tracks in order to make up for the deficiency of decoder. 1 track and 3 tracks are selectable, and it is recommended to select 3, when the decoder is in poor performance.

⚠**Note**

- The ePTZ channels support patrol function. You can click ↻ on the live view image to enable or disable the patrol function for ePTZ channels.
- You can set the image settings for each channel in the original mode.
- Only the main stream of 24 MP and 16 MP panorama camera support the encoder track.

3. Enter the best stitching distance.

Best Stitching Distance

The distance between the lens and the stitching surface you set for the best stitching image quality. The further the distance is, the worse the stitching image quality is.

Example

For example, if you set the best stitching distance to 30 meters, the stitching image of 30 meters far from the lens is the best quality. The stitching image of 20 or 40 meters far from the lens is not good and the image of 10 or 50 meters far from the lens is the worst.

4. Click **Save**.

⃞i Note

For the Original mode, Best Stitching Distance are not supported.

Appendix A. Device Command

Scan the following QR code to get device common serial port commands.

Note that the command list contains the commonly used serial port commands for all Hikvision network cameras.
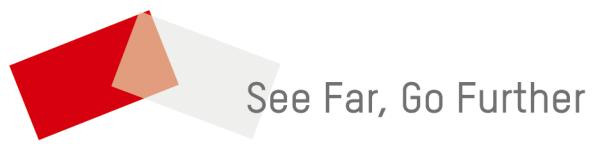
Appendix B. Device Communication Matrix

Scan the following QR code to get device communication matrix.

Note that the matrix contains all communication ports of Hikvision network cameras.

See Far, Go Further