



# **Module Door Station**

**User Manual**

# Legal Information

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## 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.

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

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

# 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

## 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



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info)



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info)

### Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

# Contents

1 Terminal and Wiring .....	1
1.1 Appearance .....	1
1.2 Terminal Description .....	7
1.3 Module Door Station Wiring .....	10
1.3.1 Door Lock Wiring .....	10
1.3.2 Door Contact Wiring .....	11
1.3.3 Exit Button Wiring .....	12
2 Installation .....	13
2.1 Configure Sub Module Address .....	13
2.2 One-Module Installation .....	14
2.2.1 One-Module Surface Mounting .....	14
2.2.2 One-Module Flush Mounting .....	17
2.3 Two-Module Installation .....	21
2.3.1 Two-Module Surface Mounting .....	21
2.3.2 Two-Module Flush Mounting .....	26
2.4 Three-Module Installation .....	30
2.4.1 Three-Module Surface Installation .....	30
2.4.2 Three-Module Flush Mounting .....	34
2.5 More-Than-Three Module Installation .....	38
2.5.1 More-than-Three Module Surface Mounting .....	38
2.5.2 More-Than-Three Module Flush Mounting .....	44
3 Activation .....	52

3.1 Activate Device via Web .....	52
3.2 Activate Device via Client Software .....	52
3.3 Edit Network Parameters .....	53
4 Remote Configuration via Web .....	54
4.1 Live View .....	54
4.2 User Management .....	54
4.3 Number Settings .....	55
4.4 Device Management .....	55
4.5 Parameters Settings .....	55
4.5.1 Local Parameters Settings .....	56
4.5.2 System Settings .....	57
4.5.3 Network Settings .....	60
4.5.4 Video & Audio Settings .....	64
4.5.5 Image Settings .....	67
4.5.6 Event Settings .....	70
4.5.7 Schedule Settings .....	73
4.5.8 Intercom Settings .....	73
4.5.9 Access Control Settings .....	76
5 Configuration via Client Software .....	79
5.1 Device Management .....	79
5.1.1 Add Online Device .....	79
5.1.2 Add Device by IP Address .....	80
5.1.3 Add Device by IP Segment .....	80
5.2 Live View via Door Station .....	81

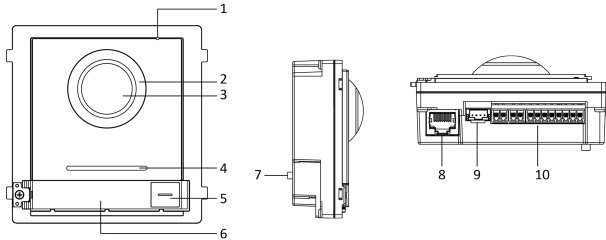


5.3 Video Intercom Settings .....	81
5.3.1 Receive Call from Door Station .....	81
5.3.2 Search Call Logs .....	82
5.3.3 Upload Armed Information .....	83
A. Communication Matrix and Device Command .....	84

# 1 Terminal and Wiring

## 1.1 Appearance

### Main Unit



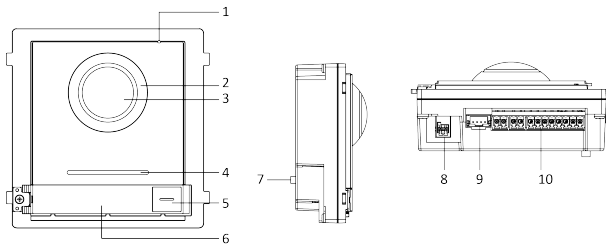
**Figure 1-1 Main Unit Appearance**  
**Table 1-1 Appearance Description**

No.	Description
1	Microphone
2	Low Illumination IR Supplement Light
3	Built-in Camera
4	Loudspeaker
5	Call Button
6	Nametag
7	TAMPER
8	Network Interface
9	Module-Connecting Interface (output)
10	Terminals

**Note**

- Nametag area supports insert customized name card. The suggested card size is: 58 (L) x 11.7(W) mm.
- The module connecting interface is used to connect other function module, such as nametag module, keypad module, card reader module, etc. All these modules are known as sub module.

**Two-Wire Main Unit**



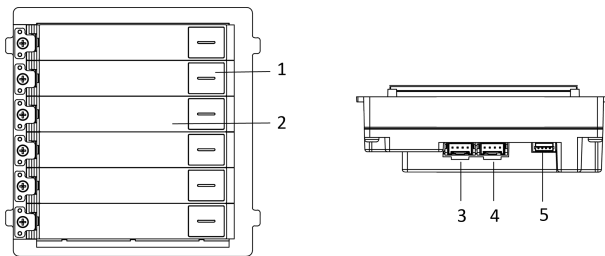
**Figure 1-2 Two-Wire Main Unit**  
**Table 1-2 Appearance Description**

No.	Description
1	Microphone
2	Low Illumination IR Supplement Light
3	Built-in Camera
4	Loudspeaker
5	Call Button
6	Nametag
7	TAMPER
8	Two-Wire Interface
9	Module-Connecting Interface (output)
10	Terminals

**Note**

- Nametag area supports insert customized name card. The suggested card size is: 58 (L) x 11.7(W) mm.
- The module connecting interface is used to connect other function module, such as nametag module, keypad module, card reader module, etc. All these modules are known as sub module.

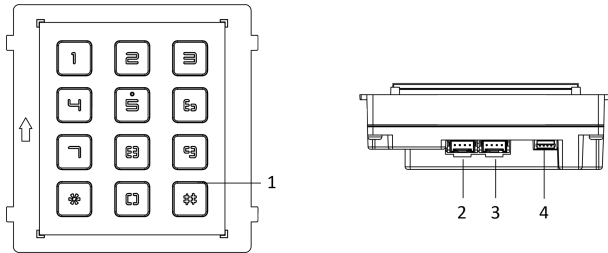
**Nametag Module**



**Figure 1-3 Nametag Module Appearance**  
**Table 1-3 Appearance Description**

No.	Description
1	Call Button
2	Nametag
3	Module-Connecting Interface (output)
4	Module-Connecting Interface (input)
5	Debugging Port

### Keypad Module

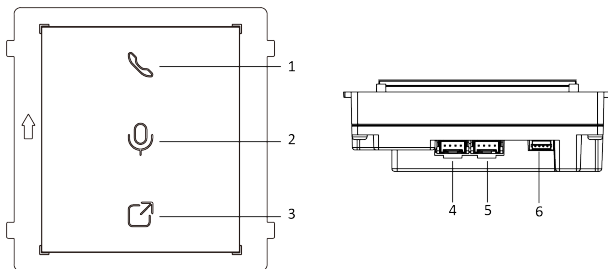


**Figure 1-4 Keypad Module Appearance**

**Table 1-4 Appearance Description**

No.	Description
1	Button
2	Module-Connecting Interface (output)
3	Module-Connecting Interface (input)
4	Debugging Port

### Indicator Module

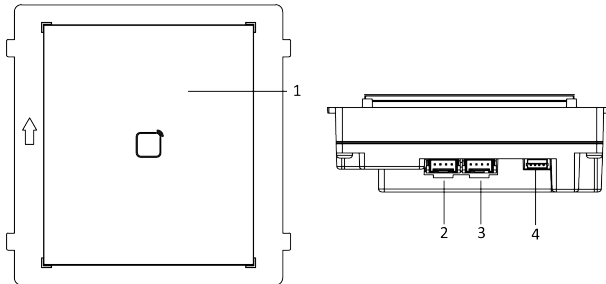


**Figure 1-5 Indicator Module**

**Table 1-5 Appearance Description**

No.	Description
1	Calling Indicator
2	Two-way Audio Indicator
3	Unlock Indicator
4	Module-connecting Interface (output)
5	Module-connecting Interface(input)
6	Debugging Port

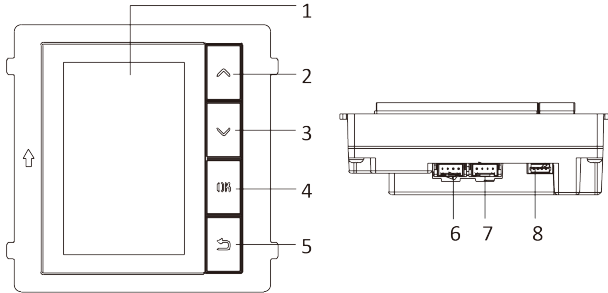
**Card Reader Module**



**Figure 1-6 Card Reader Module**  
**Table 1-6 Appearance Description**

No.	Description
1	Card Reading Area
2	Module-connecting Interface (output)
3	Module-connecting Interface(input)
4	Debugging Port

**Display Module**

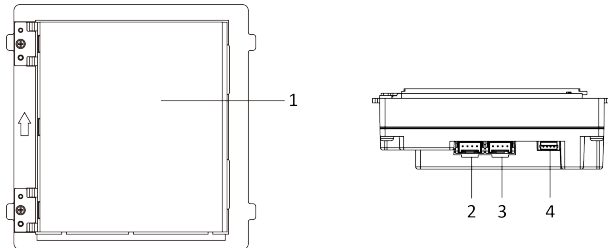


**Figure 1-7 Display Module**

**Table 1-7 Description**

No.	Description	No.	Description
1	Screen	5	Back Button
2	Up Button	6	Module-connecting Interface (output)
3	Down Button	7	Module-connecting Interface (input)
4	Confirm Button	8	Debug Port

**Information Module**



**Figure 1-8 Information Module**

**Table 1-8 Description**

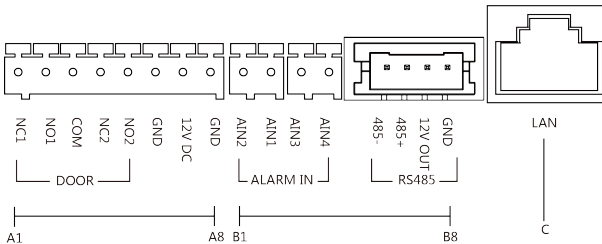
No.	Description
1	Display Area
2	Module-connecting Interface (output)
3	Module-connecting Interface (input)
4	Debugging Port

**Note**

The debugging port is used for debugging only.

## 1.2 Terminal Description

### Main Unit Terminals



**Figure 1-9 Main Unit Terminals**

**Table 1-9 Descriptions of Terminals and Interfaces**

No.	Interface	Description
A1	NC1	Door Lock Relay Output (NC)
A2	NO1	Door Lock Relay Output (NO)
A3	COM	Common Interface
A4	NC2	Door Lock Relay Output (NC)



No.	Interface	Description
A5	NO2	Door Lock Relay Output (NO)
A6	GND	Grounding
A7	12 VDC	Power Input
A8	GND	Grounding
B1	AIN2	For the access of Door Magnetic 2
B2	AIN1	For the access of Door Magnetic 1
B3	AIN3	For the access of Exit Button 1
B4	AIN4	For the access of Exit Button 2
B5	485-	Module-connecting Interface
B6	485+	
B7	12 V OUT	
B8	GND	
C	LAN	PoE Network Interface(Supports IEEE 802.3af/at-Compliant Devices)

### Two-Wire Main Unit Terminal

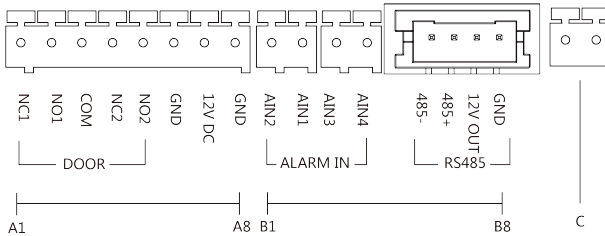
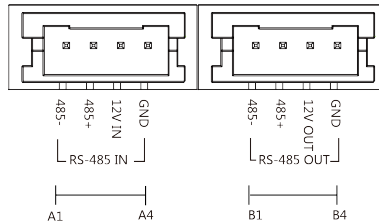


Figure 1-10 Two-Wire Main Unit Terminal

**Table 1-10 Descriptions of Terminals and Interfaces**

No.	Interface	Description
A1	NC1	Door Lock Relay Output (NC)
A2	NO1	Door Lock Relay Output (NO)
A3	COM	Common Interface
A4	NC2	Door Lock Relay Output (NC)
A5	NO2	Door Lock Relay Output (NO)
A6	GND	Grounding
A7	12 VDC	Reserved
A8	GND	Grounding
B1	AIN2	For the access of Door Magnetic 2
B2	AIN1	For the access of Door Magnetic 1
B3	AIN3	For the access of Exit Button 1
B4	AIN4	For the access of Exit Button 2
B5	485-	Module-connecting Interface
B6	485+	
B7	12 V OUT	
B8	GND	
C	Two-Wire Interface	Two-Wire Interface

### Sub Module Terminal



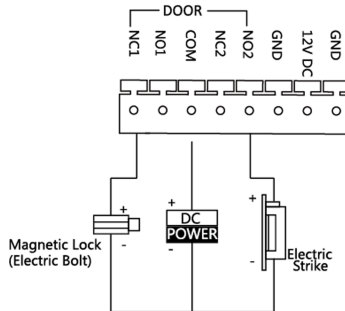
**Figure 1-11 Sub Module Terminal**

**Table 1-11 Description**

No.	Interface	Description
A1	485-	Module-Connecting Interface (Input)
A2	485+	
A3	12V IN	
A4	GND	
B1	485-	Module-Connecting Interface (Output)
B2	485+	
B3	12V OUT	
B4	GND	

## 1.3 Module Door Station Wiring

### 1.3.1 Door Lock Wiring

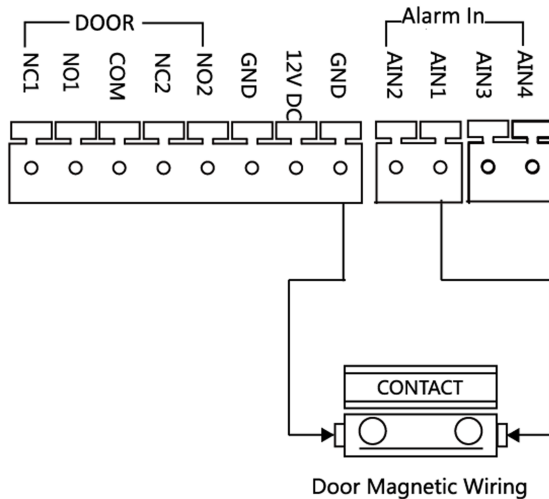


**Figure 1-12 Door Lock Wiring**

**Note**

Terminal NC1/COM is set as default for accessing magnetic lock/electric bolt; terminal NO2/COM is set as default for accessing electric strike.

**1.3.2 Door Contact Wiring**



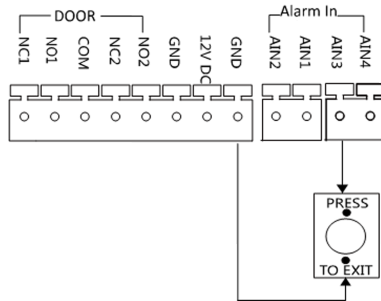
**Figure 1-13 Door Contact Wiring**

 **Note**

AIN1 and AIN2 are defaulted to connect door contact. Door contact connected to AIN1 detects status of the lock that connected to NC1/NO1; Door contact connected to AIN2 detects the status of the lock connected to NC2/NO2.

---

### 1.3.3 Exit Button Wiring



**Figure 1-14 Exit Button Wiring**

 **Note**

AIN3 and AIN4 are set as default for connecting exit button. Exit button connected to AIN3 opens the lock connected to NC1/NO1; Exit button connected to AIN4 controls the lock that connected to NC2/NO2.

---

## 2 Installation

### Note

- Make sure the device in the package is in good condition and all the assembly parts are included.
- Sub module must work along with the main unit.
- Set the sub module address before start the installation steps.
- Make sure the place for surface mounting is flat.
- Make sure all the related equipment is power-off during the installation.
- Tools that you need to prepare for installation:  
Drill ( $\varnothing 6$ ), cross screwdriver (PH1\*150 mm), and gradienter.

### 2.1 Configure Sub Module Address

You need to set the sub module address via DIP switch before installation.

#### Steps

1. Remove the rubber cover on the rear panel of the sub module to expose the DIP switch.

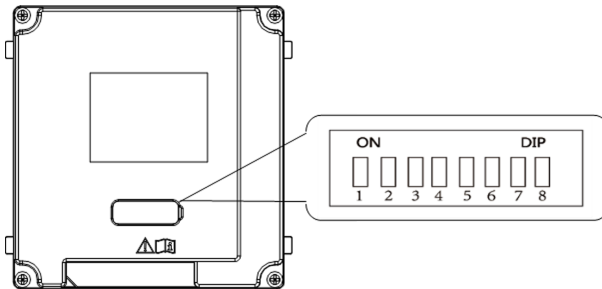


Figure 2-1 DIP Switch

2. Set the sub module address according to the DIP rules, and install the rubber cover back.

 **Note**

- Bit 1, 2, 3, 4 are used to coding the sub module address. Bit 5, 6, 7 are reserved. Set Bit 8 as on to enable a resistance (120Ω).
- Valid sub module address is from 1 to 8. The address should be unique for connecting to the main unit.  
The sub module address and its corresponding switch status are displayed as below.

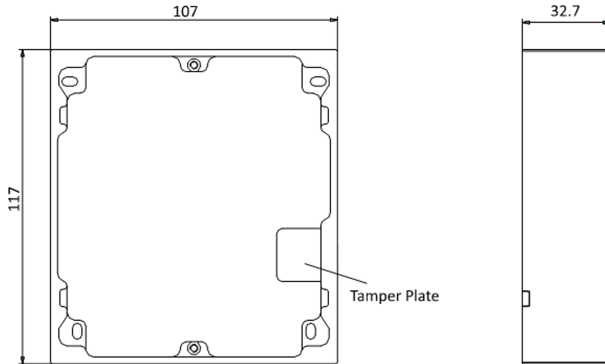
**Table 2-1 Description**

<b>Sub Module Address</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Bit 1	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Bit 2	OFF	ON	ON	OFF	OFF	ON	ON	OFF
Bit 3	OFF	OFF	OFF	ON	ON	ON	ON	OFF
Bit 4	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

## 2.2 One-Module Installation

### 2.2.1 One-Module Surface Mounting

### Before You Start



**Figure 2-2 Mounting Frame**

---

#### **Note**

- The dimension of one module mounting frame (W × H × D) is: 117 mm × 107 mm × 32.7 mm.
  - The dimensions above are for reference only. The actual size can be slightly different from the theoretical dimension.
- 

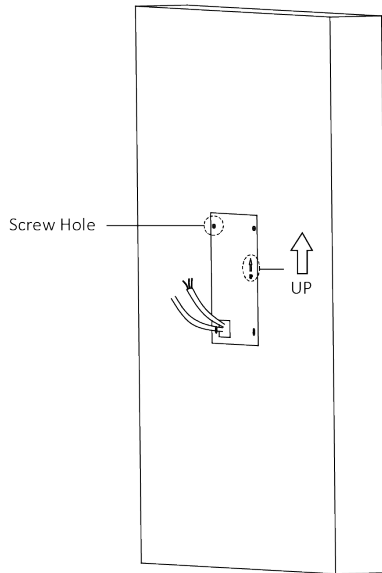
#### **Steps**

1. Paste the installation Sticker 1 onto the wall. Make sure the sticker is placed horizontally via measuring with the gradienter.
  2. Drill 4 holes according to the screw holes on the sticker.
- 

#### **Note**

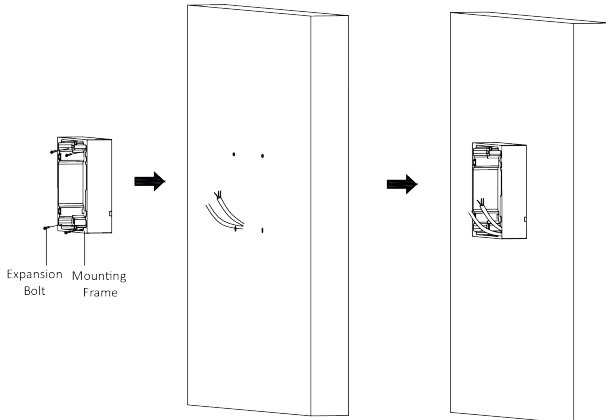
- The suggested size of hole is 6 (diameter) × 25 (depth) mm.
  - The suggested length of cables left outside is 100 mm.
-





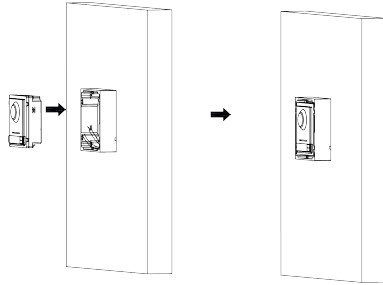
**Figure 2-3 Drill Screw Holes**

3. Remove the stricker and insert the expansion sleeves into the screw holes.
4. Fix the mounting frame onto the wall with 4 expansion bolts.



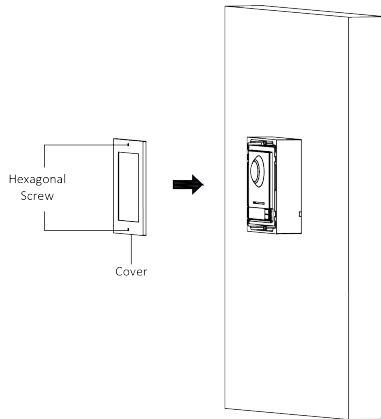
**Figure 2-4 Fix the Mounting Frame**

5. Connect the cables to the corresponding interfaces of the main unit and insert the main unit into the frame.



**Figure 2-5 Insert the Main Unit**

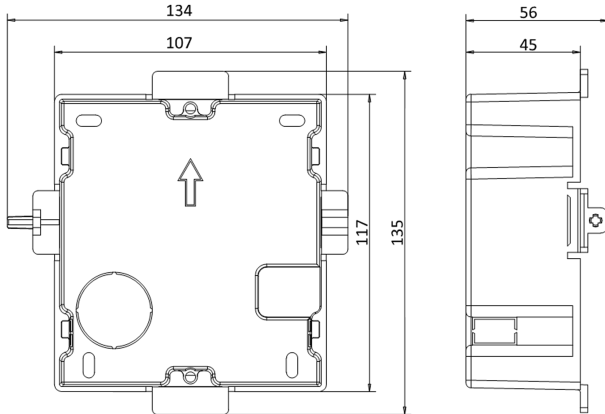
6. Fix the cover onto the frame.



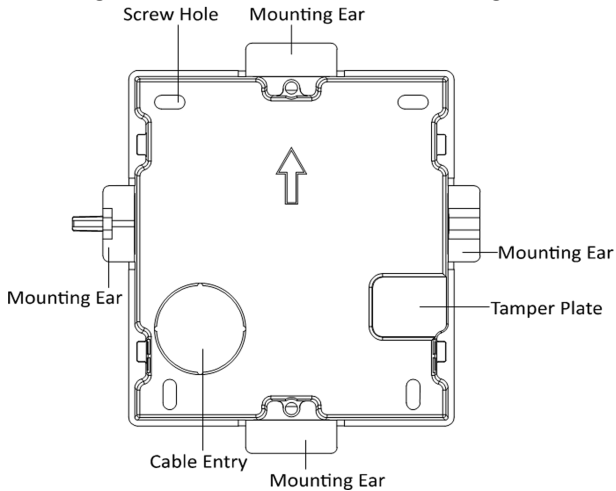
**Figure 2-6 Fix the Cover**

## 2.2.2 One-Module Flush Mounting

**Before You Start**



**Figure 2-7 Front and Side View of the Gang Box**



**Figure 2-8 Gang Box**

**Note**

The dimension of one-module gang box is: 115 (W) × 134 (H) × 56 (D) mm. The dimension is for reference only.

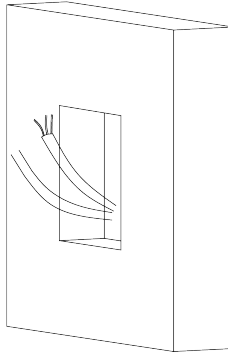
**Steps**

1. Drill an installation hole, and pull the cables out.

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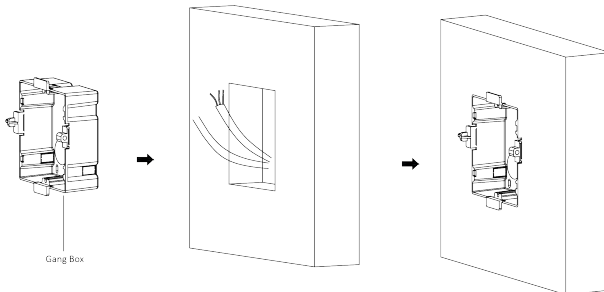
 **Note**

- The suggested dimension of installation hole is 118 (W) × 108 (H) × 45.5 (D) mm.
  - The suggested length of cables left outside is 100 mm.
- 



**Figure 2-9 Drill Installation Hole**

2. Remove the plastic sheet of the cable entry.
3. Mark the gang box screw holes on the wall.
  - 1) Route the cables through the gang box hole.
  - 2) Insert the gang box into the installation hole.
  - 3) Mark the gang box screw holes' position with a marker, and take out the gang box.



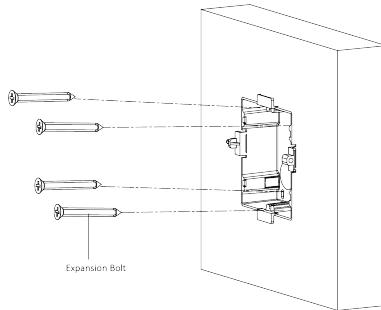
**Figure 2-10 Mark the Screw Holes**

4. Drill 4 holes according to marks on the wall, and insert the expansion sleeves into the screw holes.

 **Note**

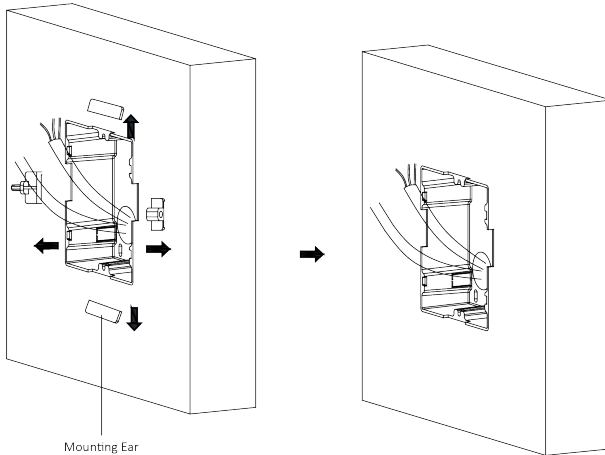
The suggested size of the hole is 6 (diameter) × 45 (depth) mm.

5. Route the cables through the gang box hole. Insert the gang box into the installation hole. Fix the gang box with 4 expansion bolts.



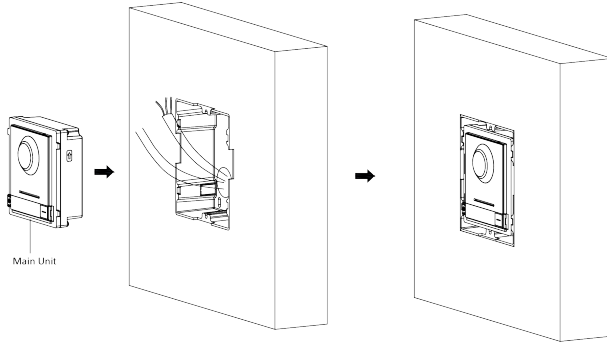
**Figure 2-11 Fix the Gang Box**

6. Fill the gap between the gang box and the wall with concrete. Remove the 4 mounting ears with tool after concrete is dry.



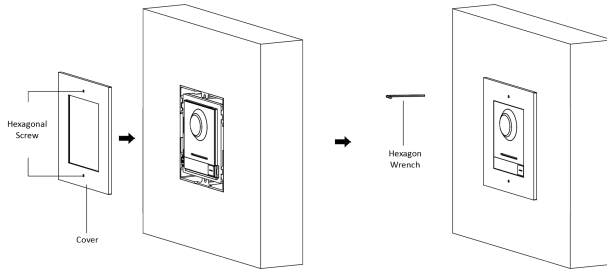
**Figure 2-12 Remove the Mounting Ears**

7. Connect the cables to the corresponding interfaces of the main unit and insert the unit into the gang box.



**Figure 2-13 Insert the Main Unit**

8. Fix the cover and the main unit with 2 socket head cap screws by using a hexagon wrench (supplied).

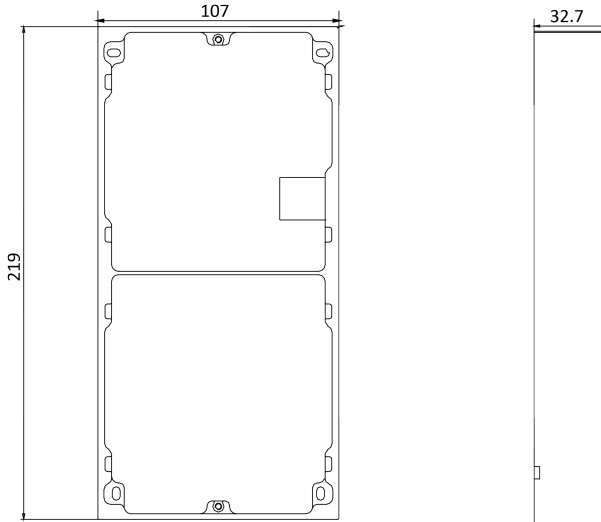


**Figure 2-14 Fix the Cover**

## 2.3 Two-Module Installation

### 2.3.1 Two-Module Surface Mounting

### Before You Start



**Figure 2-15 Mounting Frame**

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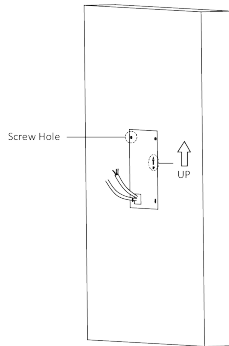
 **Note**

- The dimension of two-module mounting frame (W × H × D) is: 219 mm × 107 mm × 32.7 mm.
- The dimensions above are for reference only. The actual size can be slightly different from the theoretical dimension.

---

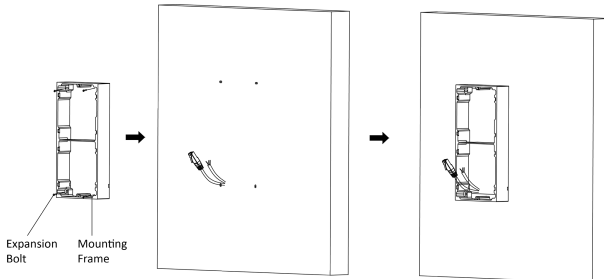
### Steps

1. Paste the installation Sticker 1 onto the wall. Make sure the sticker is placed horizontally via measuring with the gradienter.
2. Drill 4 holes according to the screw holes on the sticker. The suggested size of hole is 6 (diameter) × 25 (depth) mm. The suggested length of cables left outside is 270 mm.



**Figure 2-16 Drill Screw Holes**

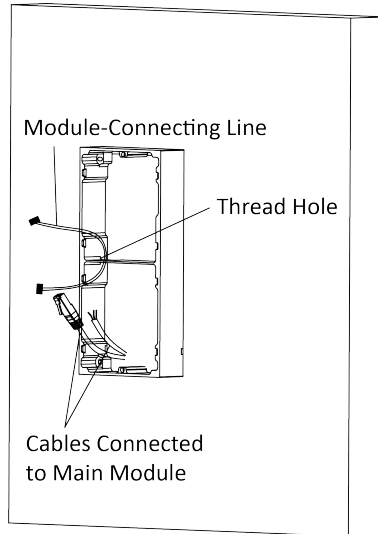
3. Remove the sticker and insert the expansion sleeves into the screw holes.
4. Fix the mounting frame onto the wall with 4 expansion bolts.



**Figure 2-17 Fix the Mounting Frame**

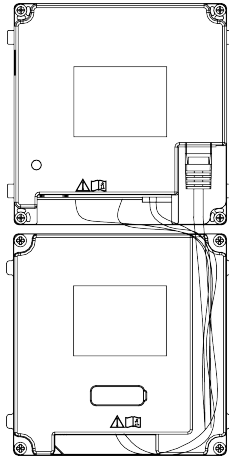
5. Thread the module-connecting line across the thread hole of the frame. Pass the main unit connecting lines across the thread hole to the upper grid.





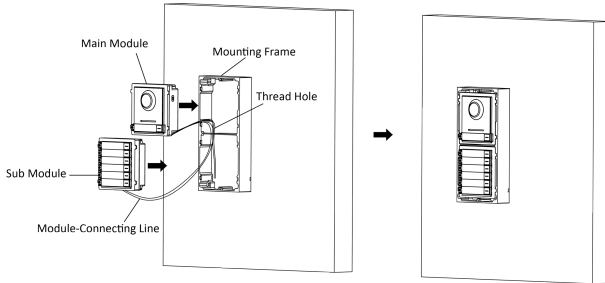
**Figure 2-18 Placement of Lines**

6. Connect the cables.
  - 1) Connect the lines and module-connecting line to the corresponding interfaces of the main unit, then place the main unit into the upper grid.
  - 2) Connect the other end of the module-connecting line to the input interface of the sub module.
  - 3) Organize the cable with cable tie in the package. The suggested cable connection picture as shown below.



**Figure 2-19 Line Connection Effect Picture**

7. Insert the modules into the frame after wiring. The main unit must be placed in the top grid.



**Figure 2-20 Insert the Modules**

8. Use the hexagon wrench in the package to fix the cover onto the frame.

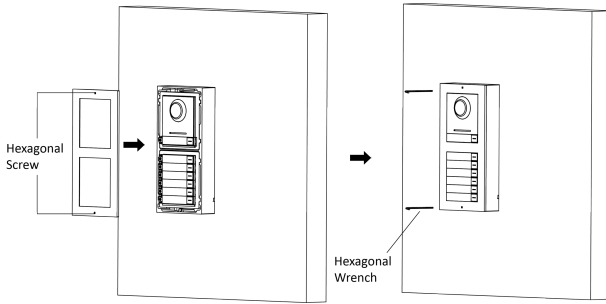


Figure 2-21 Fix the Cover

### 2.3.2 Two-Module Flush Mounting

#### Before You Start

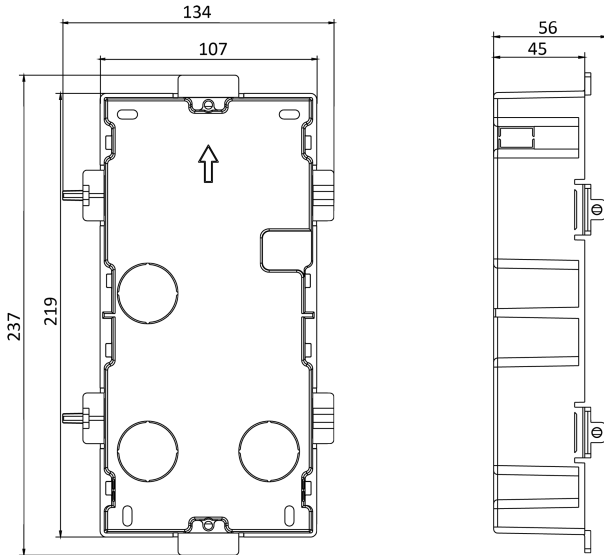


Figure 2-22 Gang Box

 **Note**

The dimension of two-module gang box is: 237 (W) × 134 (H) × 56 (D) mm. The dimension is for reference only.

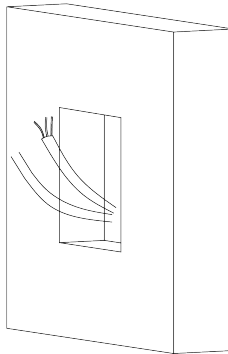
---

**Steps**

1. Drill the installation hole, and pull the cable out.
- 

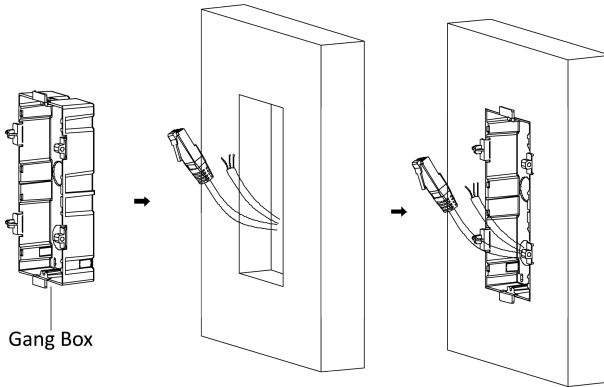
 **Note**

- The suggested dimension of installation hole is 220 (W) × 108 (H) × 45.5 (D) mm.
  - The suggested length of cables left outside is 270 mm.
- 



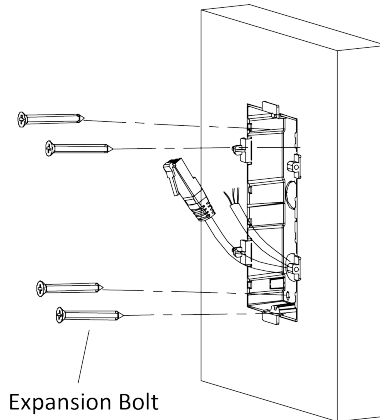
**Figure 2-23 Drill the Installation Hole**

2. Select a cable entry and remove the plastic sheet.
3. Mark the gang box screw holes on the hole.
  - 1) Route the cables through the gang box hole.
  - 2) Insert the gang box into the installation hole.
  - 3) Mark the gang box screw holes' position with a marker, and take out the gang box.



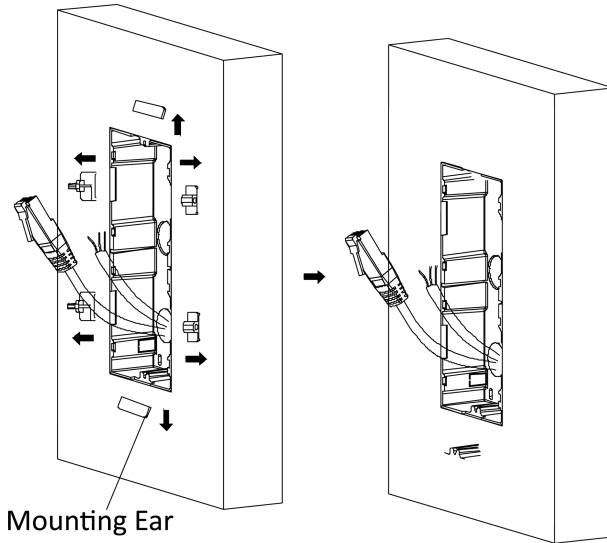
**Figure 2-24 Mark the Screw Holes**

4. Drill 4 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes. The suggested size of hole is 6 (diameter) × 45 (depth) mm.
5. Fix the gang box with 4 expansion bolts.



**Figure 2-25 Fix the Gang Box**

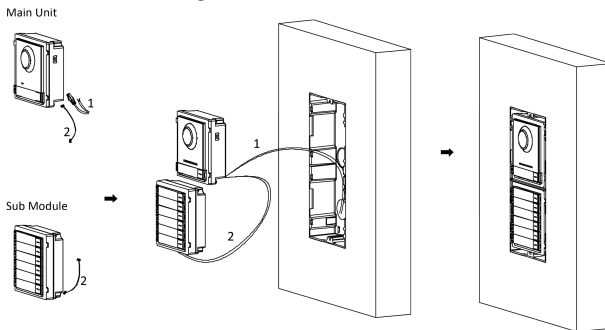
6. Fill the gap between the gang box and the wall with concrete. Remove the mounting ears with tool after concrete is dry.



**Figure 2-26 Remove the Mounting Ears**

**7. Connect cables and insert the modules.**

- 1) Connect Cable 1 and one end of Cable 2 to the corresponding interfaces of the main unit, then insert the main unit into the upper grid.
- 2) Connect the other end of Cable 2 to the input interface of the sub module. Insert it into the lower grid.



**Figure 2-27 Connect Cables and Insert the Modules**

**Note**

Cable 1 refers to the cables pulled out from the wall that connected to the main unit. Cable 2 refers to the module-connecting line in the accessory package.

8. Fix the cover with 2 socket head cap screws by using a hexagon wrench (supplied).

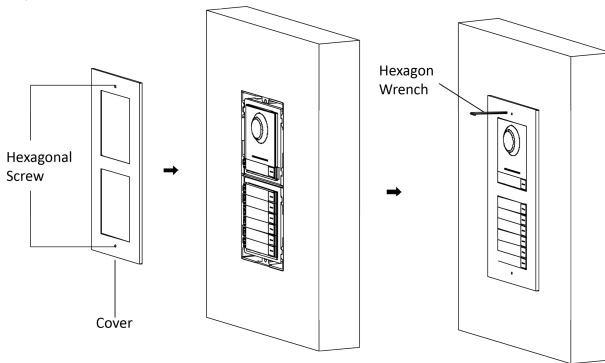


Figure 2-28 Fix the Cover

## 2.4 Three-Module Installation

### 2.4.1 Three-Module Surface Installation

#### Before You Start

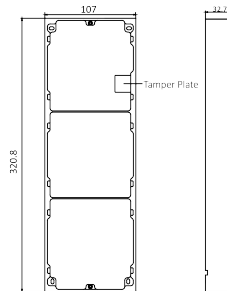


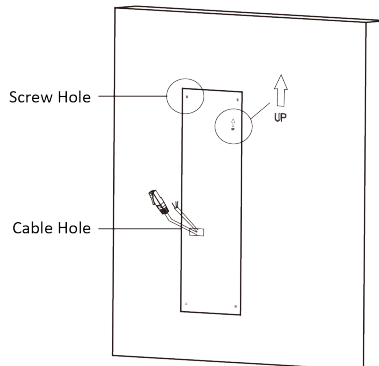
Figure 2-29 Mounting Frame

 **Note**

- The dimension of two-module mounting frame (W × H × D) is: 320.8 mm × 107 mm × 32.7 mm.
  - The dimensions above are for reference only. The actual size can be slightly different from the theoretical dimension.
- 

**Steps**

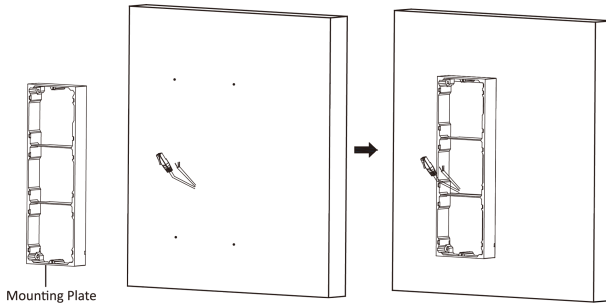
1. Paste the installation sticker 1 onto the wall. Make sure the sticker is placed horizontally via measuring with the gradienter.
2. Drill 4 holes according to the screw holes on the sticker. The suggested size of hole is 6 (diameter) × 25 (depth) mm. The suggested length of cables left outside is 270 mm.



**Figure 2-30 Drill Screw Holes**

3. Remove the sticker and insert the expansion sleeves into the screw holes.
4. Fix the mounting frame onto the wall with 4 expansion bolts.



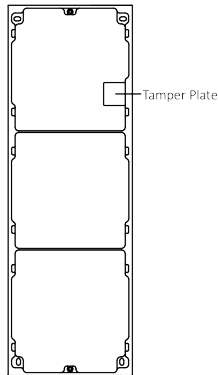


**Figure 2-31 Fix the Mounting Frame**

---

 **Note**

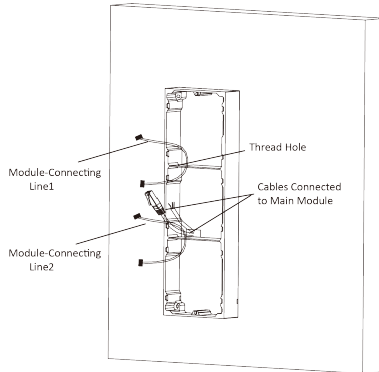
The mounting frame should be placed exactly as shown below for this step. The tamper plate should be at the low right of the first grid.



**Figure 2-32 Mounting Frame**

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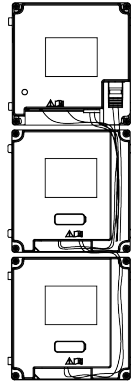
5. Thread the module-connecting line across the thread holes of the frame. Pass the main unit connecting line across the thread hole to the top grid.



**Figure 2-33 Placement of Lines**

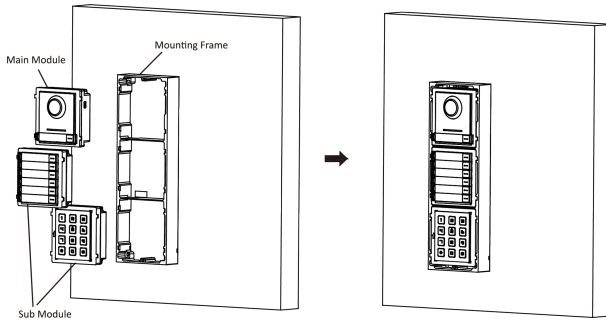
**6. Connect the cables.**

- 1) Connect the lines and module-connecting line 1 to the corresponding interfaces of the main unit, then place the main unit into the upper grid.
- 2) Connect the other end of the module-connecting line 1 to the input interface of the sub module. Connect two sub modules via module-connecting line 2.
- 3) Organize the cables with cable tie in the package. The suggested cable connection picture as shown below.



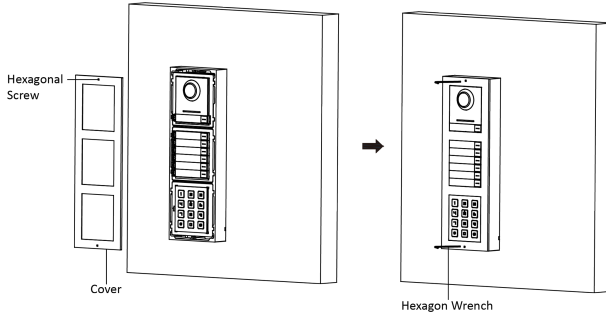
**Figure 2-34 Line Connection Effect Picture**

7. Insert the modules into the frame after wiring. The main unit must be placed in the top grid.



**Figure 2-35 Insert the Modules into the Frame**

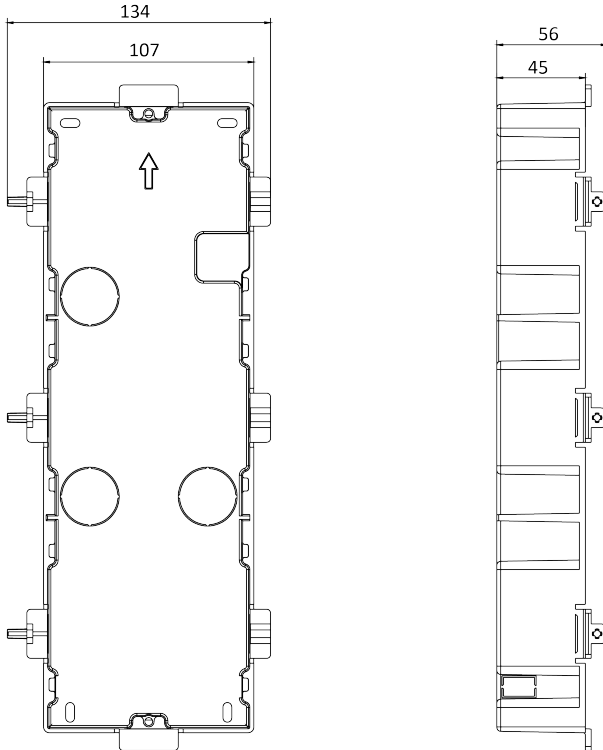
8. Use the hexagon wrench in the package to fix the cover onto the frame.



**Figure 2-36 Fix the Cover**

## 2.4.2 Three-Module Flush Mounting

**Before You Start**



**Figure 2-37 Gang Box**

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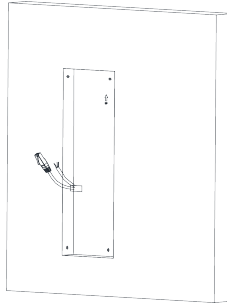
**Note**

- The dimension of one-module gang box is: 338.8(W)×134(H)×56(D) mm.
- The dimensions above are for reference only. The actual size can be slightly different from the theoretical dimension.

---

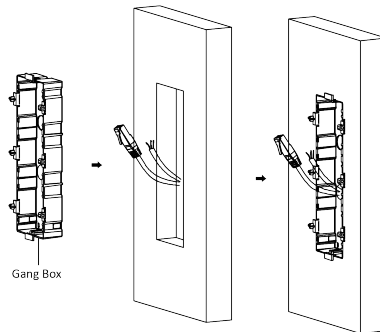
**Steps**

1. Cave the installation hole, and pull the cable out. The suggested dimension of installation hole is 321.8(W)×108(H)×45.5(D) mm. The suggested length of cables left outside is 270 mm.



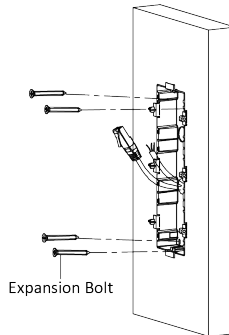
**Figure 2-38** Cave the Installation Hole

2. Select a cable entry and remove the plastic sheet.
3. Mark the gang box screw holes on the wall.
  - 1) Route the cables through the gang box hole.
  - 2) Insert the gang box into the installation hole.
  - 3) Mark the gang box screw holes' position with a marker, and take out the gang box.



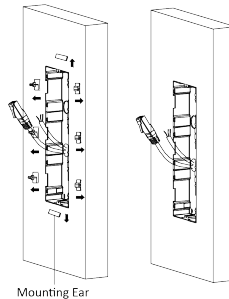
**Figure 2-39** Mark the Screw Holes

4. Drill 4 holes according to marks on the wall, and insert the expansion sleeves into the screw holes. The suggested size of hole is 6 (diameter) × 45 (depth) mm.
5. Fix the gang box with 4 expansion bolts.



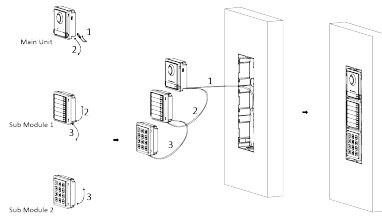
**Figure 2-40 Fix the Gang Box**

6. Fill the gap between the gang box and wall with concrete. Remove the mounting ears with tool after concrete is dry.



**Figure 2-41 Remove the Mounting Ears**

7. Connect cables and insert the modules.
  - 1) Connect Cable 1 and one end of Cable 2 to the corresponding interfaces of the main unit, then insert the main unit into the upper grid.
  - 2) Connect the other end of Cable 2 to the input interface of Sub Module 1. Connect one end of Cable 3 to the output interface of Sub Module 1 and insert it into the middle grid.
  - 3) Connect the other end of Cable 3 to the input interface of Sub Module 2. Insert it into the bottom grid.

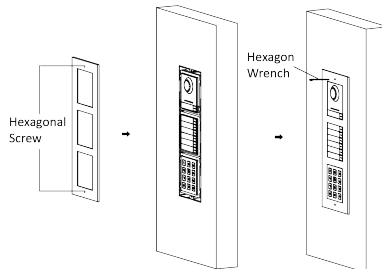


**Figure 2-42 Connect Cables and Insert Modules**

**Note**

Cable 1 refers to the cables pulled out from the wall that connected to the main unit. Cable 2 and Cable 3 refer to the module-connecting line in the accessory package.

8. Fix the cover and the main unit with 2 socket head cap screws by using a hexagon wrench (supplied).

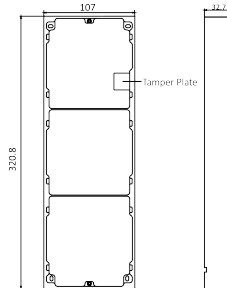


**Figure 2-43 Fix the Cover**

## 2.5 More-Than-Three Module Installation

### 2.5.1 More-than-Three Module Surface Mounting

## Before You Start



**Figure 2-44 Mounting Frame**

---

### Note

- It takes two three-module mounting frames. The dimension of three-module mounting frame (W × H × D) is: 320.8 mm × 107 mm × 32.7 mm.
- The dimensions above are for reference only. The actual size can be slightly different from the theoretical dimension.

---

### Steps

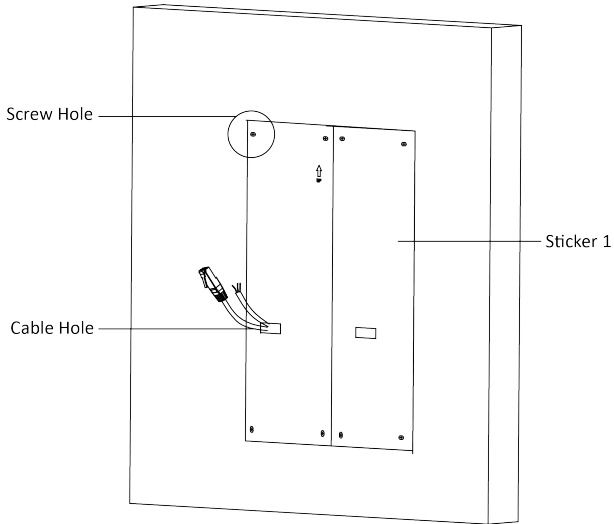
1. Paste two Sticker 1 onto the wall. Make sure the stickers are placed horizontally via measuring with the gradienter.
2. Drill 8 holes according to the screw holes on the sticker.

---

### Note

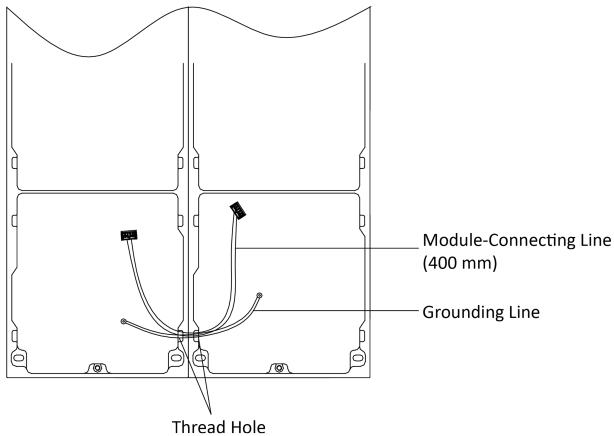
- The suggested size of hole is 6 (diameter) × 25 (depth) mm.
  - The suggested length of cables left outside is 270 mm.
- 
3. Pull out the cable through the cable hole of the left sticker.





**Figure 2-45 Drill Screw Holes**

4. Remove the stickers and insert the expansion sleeves into the screw holes.
5. Thread the module-connecting line (400 mm) and grounding line across the thread hole of both frames.

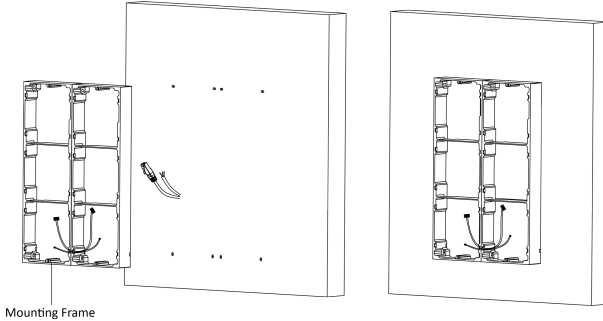


**Figure 2-46 Place the Grounding Line and Module-Connecting Line**

**Note**

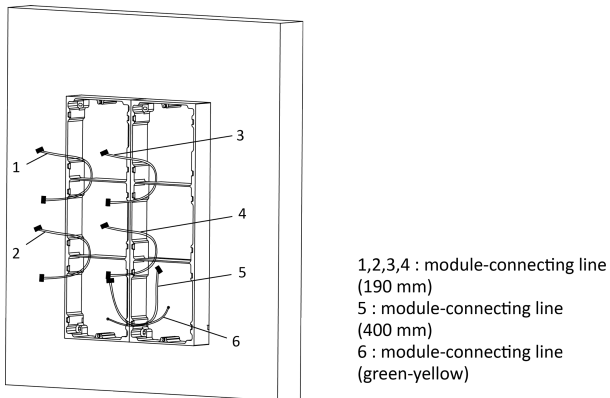
- There are 6 module-connecting lines in the package: 190 mm × 4 and 400 mm × 2.
- Take the 400 mm module-connecting line for this step.
- The green-yellow line in the package is for grounding.

6. Fix the mounting frame onto the wall with 8 expansion bolts.



**Figure 2-47 Fix the Mounting Frame**

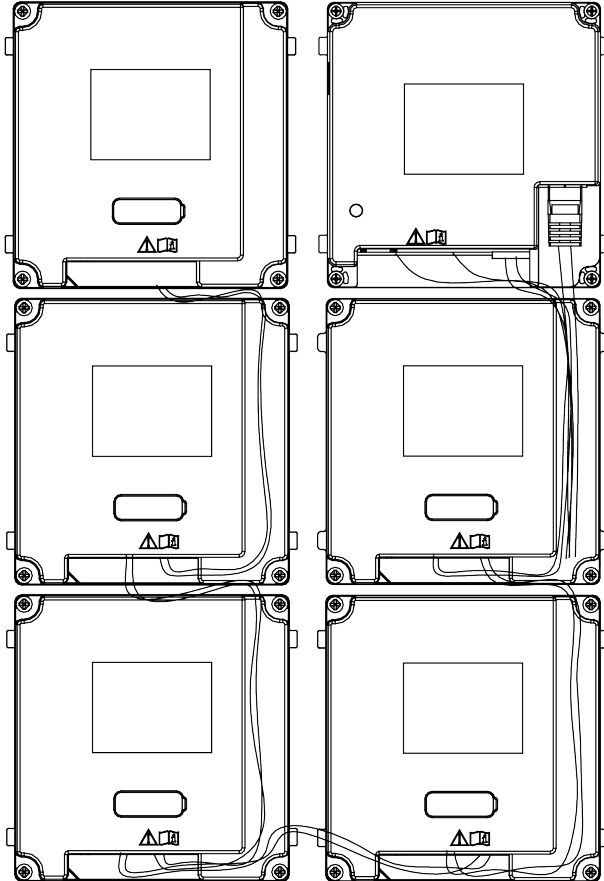
7. Pass the main unit connecting line across the thread hole to the top grid of the left frame. Thread the module-connecting line (190 mm) across the thread hole of the frame. The lines should be placed as shown below.



**Figure 2-48 Placement of Lines**

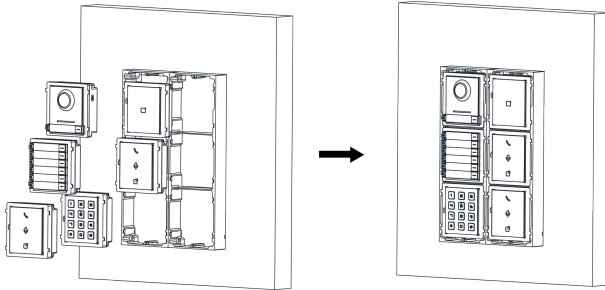
8. Connect the cables.

- 1) Connect the cables from the wall and module-connecting line 1 to the corresponding interfaces of the main unit, then place the main unit into the upper grid.
- 2) Connect the other end of the module-connecting line 1 to the input interface of the sub module. Connect all sub modules via module-connecting lines.
- 3) Organize the cable with cable tie in the package. The suggested cable connection picture as shown below.



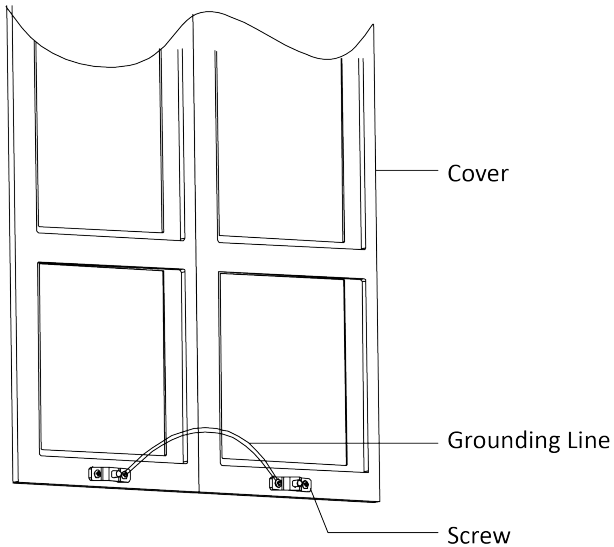
**Figure 2-49 Line Connection Effect Picture**

9. Insert the modules into the frame after wiring. The main unit must be placed in the top grid on the left.



**Figure 2-50 Insert the Modules**

10. Pull the grounding line out and fixed its two end to the screw on the cover.



**Figure 2-51 Connect the Grounding Line to the Cover**

11. Use the hexagon wrench in the package to fix the cover onto the frame.

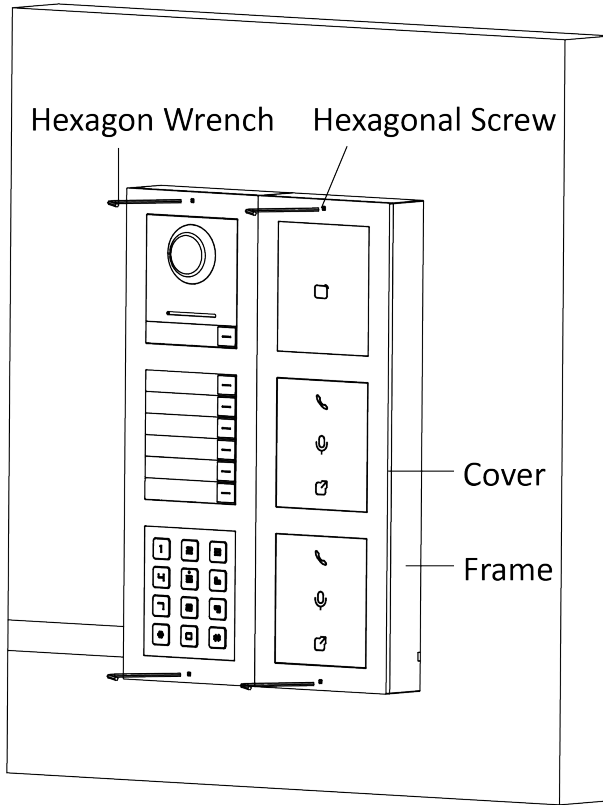
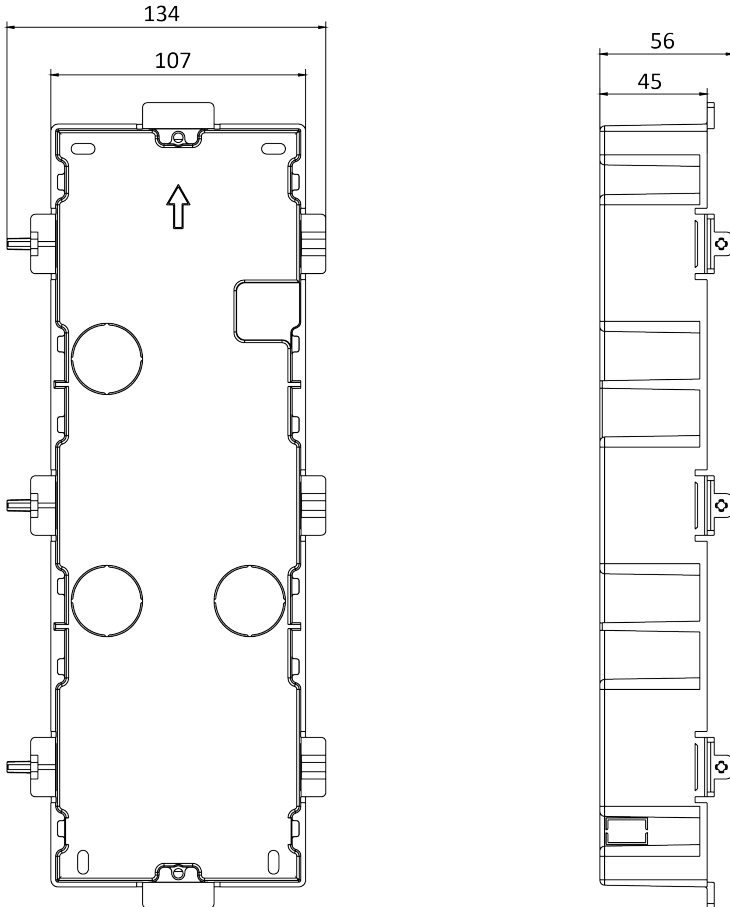


Figure 2-52 Fix the Cover

### 2.5.2 More-Than-Three Module Flush Mounting

**Before You Start**



**Figure 2-53 Gang Box**

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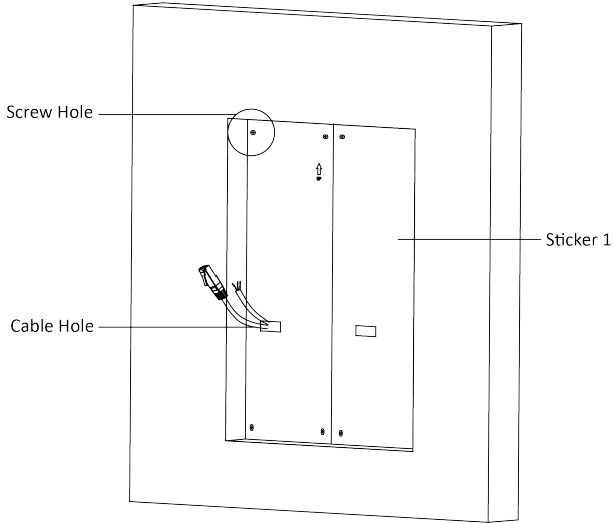
**Note**

It takes two three-module gang boxes. The dimension of the gang box is: 338.8 (W) × 134 (H) × 56 (D) mm. The dimension is for reference only.

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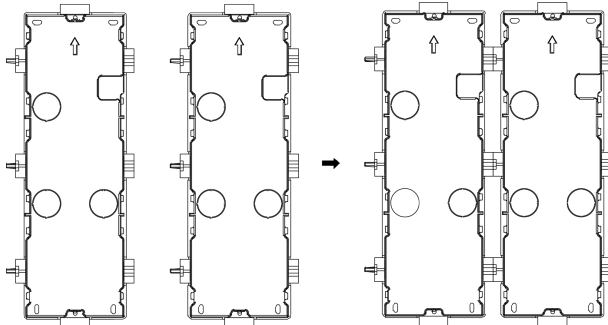
**Steps**

1. Drill the installation hole, and pull the cable out. The suggested dimension of installation hole is 321.8 (W) × 315 (H) × 45.5 (D) mm. The suggested length of cables left outside is 270 mm.



**Figure 2-54 Cave the Installation Hole**

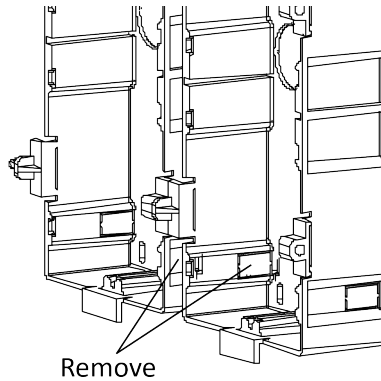
2. Connect two gang boxes as below.



**Figure 2-55 Connect Two Gang Boxes**

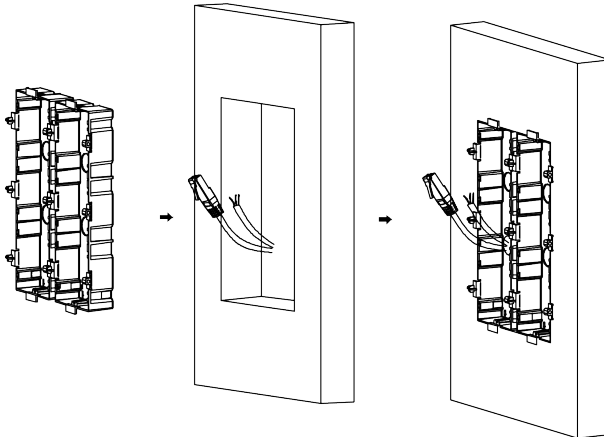
3. Select a cable entry and remove the plastic sheet.

4. Remove the plastic sheets on the side of the gang boxes (shown as 1 and 2) below:



**Figure 2-56 Remove the Plastic Sheets**

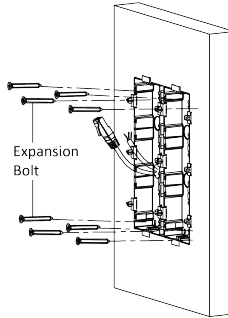
5. Mark the gang box screw holes on the wall.
  - 1) Route the cables through the gang box hole.
  - 2) Insert the gang box into the installation hole.
  - 3) Mark the gang box screw holes' position with a marker, and take out the gang box.



**Figure 2-57 Mark the Screw Holes**

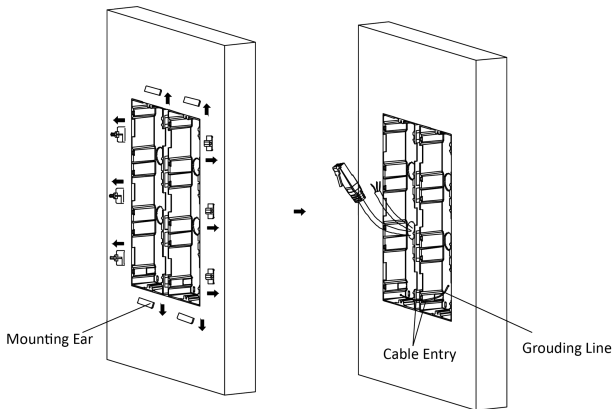


6. Drill 8 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes. The suggested size of hole is 6 (diameter) × 45 (depth) mm.
7. Fix the gang boxes with 8 expansion bolts.



**Figure 2-58 Fix the Gang Boxes**

8. Fill the gap between the gang box and wall with concrete. Remove the mounting ears with tool after concrete is dry. Route the grounding line through the cable entries.



**Figure 2-59 Remove the Mounting Ears**

---

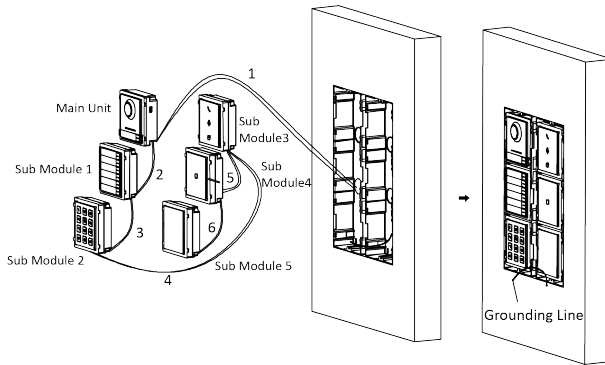
 **Note**

The green-yellow line in the package is for grounding.

---

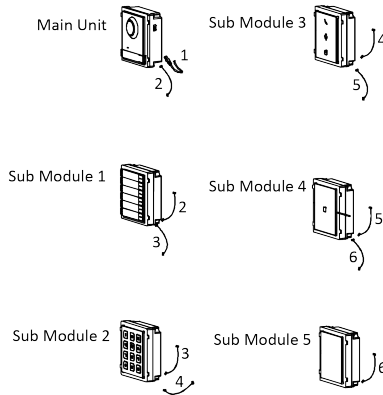
9. Connect cables and insert the modules.

- 1) Connect Cable 1 and one end of Cable 2 to the corresponding interfaces of the Main Unit, then place the Main Unit into the upper grid of the left gang box.
- 2) Connect the other end of Cable 2 to the input interface of Sub Module 1. Connect one end of Cable 3 to the output interface of Sub Module 1 and insert it into the middle grid of the left gang box.
- 3) Finish the wiring and inserting according to the cable number and the position shown as below.



**Figure 2-60 Install Mounting Frame**

The cables connect to each module shown as below.

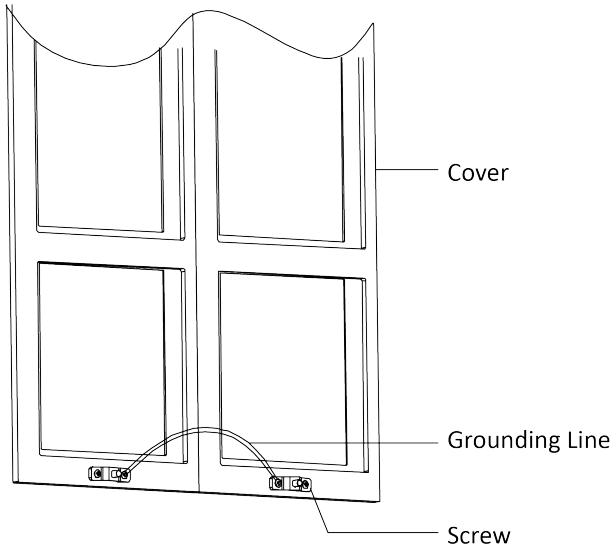


**Figure 2-61 Cables Connection**

 **Note**

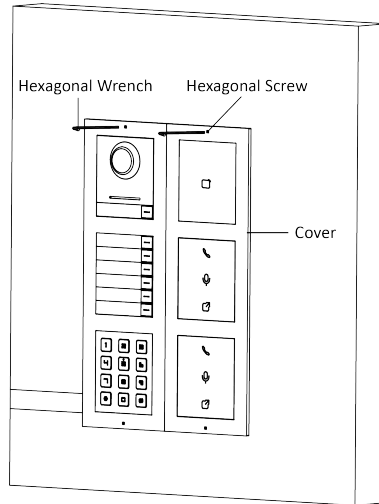
- Cable 2,3,5 and 6 are the module-connecting lines (190 mm) in the package.
  - Cable 4 is the module-connecting line (400 mm) in the package.
  - Main unit must be put in the top grid.
- 

10. Pull the grounding line out and fixed its two end to the screw on the cover.



**Figure 2-62 Connect the Grounding Line to the Cover**

11. Fix the cover with 2 socket head cap screws by using a hexagon wrench (supplied).



**Figure 2-63 Fix the Cover**

## 3 Activation

### 3.1 Activate Device via Web

You are required to activate the device first by setting a strong password for it before you can use the device.

Default parameters of the door station are as follows:

- Default IP Address: 192.0.0.65.
- Default Port No.: 8000.
- Default User Name: admin

#### Steps

1. Power on the device, and connect the device to the network.
2. Enter the IP address into the address bar of the web browser, and click **Enter** to enter the activation page.

---

 **Note**

The computer and the device should belong to the same subnet.

---

3. Create and enter a password into the password field.
4. Confirm the password.
5. Click **OK** to activate the device.

### 3.2 Activate Device via Client Software

You can only configure and operate the door station after creating a password for the device activation.

Default parameters of door station are as follows:

- Default IP Address: 192.0.0.65.
- Default Port No.: 8000.
- Default User Name: admin.

#### Steps

1. Run the client software, click **Maintenance and Management → Device Management → Device** to enter the page.
2. Click **Online Device**.

3. Select an inactivated device and click **Activate**.
  4. Create a password, and confirm the password.
- 

 **Note**

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of 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 change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

---

5. Click **OK** to activate the device.
- 

 **Note**

- When the device is not activated, the basic operation and remote operation of device cannot be performed.
  - You can hold the **Ctrl** or **Shift** key to select multiple devices in the online devices, and click the **Activate** button to activate devices in batch.
- 

### 3.3 Edit Network Parameters

To operate and configure the device via LAN (Local Area Network), you need connect the device in the same subnet with your PC. You can edit network parameters via **iVMS-4200** client software.

#### Steps

1. Select an online activated device and click the **Modify Netinfo**.
  2. Edit the device IP address and gateway address to the same subnet with your computer.
  3. Enter the password and click **OK** to save the network parameters modification.
- 

 **Note**

- The default port No. is 8000.
  - The default IP address of the door station is 192.0.0.65.
  - After editing the network parameters of device, you should add the devices to the device list again.
-

## 4 Remote Configuration via Web

### 4.1 Live View

In the browser address bar, enter the IP address of the device, and press the Enter key to enter the login page.

Enter the user name and password and click **Login** to enter the Live View page. Or you can click **Live View** to enter the page.



Figure 4-1 Live View

- You can start/stop live view, capture, record, audio on/off, two-way audio, etc.
- The stream type can be set as main stream or sub stream.
- For IE (Internet Explorer) users, the device support two-way audio communication.

### 4.2 User Management

You can add, delete or search the information of the user.

Click **User** to enter the settings page.

- Click **Add** and enter the **Name**, **Floor No.** and **Room No.** to add.
- Click **Edit** to modify the information of the user.
- Check the box of the user and click **Delete** to delete the selected user.
- Enter the keyword and click search icon. The information will display in the list.

 **Note**

User management function may vary with different models. Please refer to the actual product.

---

## 4.3 Number Settings

Link the room No. and SIP numbers.

Click **Number Settings** to enter the page.

Click **Add**, set the **Room No.** and SIP numbers in the pop-up dialog box.

## 4.4 Device Management

You can manage the linked device on the page.

Click **Device List** to enter the settings page.

### Add Device

- Click **Add** to add the indoor station or sub door station. Enter the parameters and click **OK** to add.
- Click **Import**. Enter the information of the device in the template to import devices in batch.

### Export

Click **Export** to export the information to the PC.

### Synchronize

Click **Synchronize** to synchronize the information.

## 4.5 Parameters Settings

Click **Configuration** to set the parameters of the device.

Remote configuration in iVMS-4200 and Batch Configuration Tool is the same as that in Web. Here takes the configuration in web for example.



 **Note**

Run the browser, click  → **Internet Options** → **Security** to disable the Protected Mode.

---

### 4.5.1 Local Parameters Settings

You can configure the parameters of the live view, record files and captured pictures. The record files and captured pictures are the ones you record and capture by using the web browser. You can also set and view the saving paths of the captured pictures and recorded videos on the PC that running the web browser.

#### Live View Parameters

##### Stream Type

Set the stream type as **Main Stream** or **Sub-stream**.

##### Play Performance

Set the live view performance to **Shortest Delay**, **Balanced** or **Fluent**.

##### Auto Start Live View

Check **Yes** to enable the function.

##### Image Format

Select the image format for picture capture.

Click **Save** to enable the settings.

#### Record File Parameters

##### Record File Size

Select the packed size of the manually recorded and downloaded video files to **256M**, **512M** or **1G**. After the selection, the maximum record file size is the value you selected.

##### Save record files to

Set the saving path for the manually recorded video files.

Click **Save** to enable the settings.

#### Picture and Clip Settings

##### Save snapshots in live view to

Set the saving path of the manually captured pictures in live view mode.

---

 **Note**

You can click **Browse** to change the directory for saving the clips and pictures, and click **Open** to open the set folder of clips and picture saving.

---

Click **Save** to enable the settings.

## 4.5.2 System Settings

Follow the instructions below to configure the system settings, include System Settings, Maintenance, Security, and User Management, etc.

Click **System** to enter the settings page.

### Basic Information

Click **System Settings** → **Basic Information** to enter the settings page. On the page, you can edit **Device Name** and **Device No.** Set the **Language** and **System Type** according to your needs.

Click **Save** to enable the settings.

### Time Settings

Click **System Settings** → **Time Settings** to enter the settings page. Select the **Time Zone** of your location from the drop-down list.

- Enable **NTP**, set the **Server Address**, **NTP Port** and **Interval**.
- Enable **Manual Time Sync.**, set the time manually or check the **Sync. with computer time**.

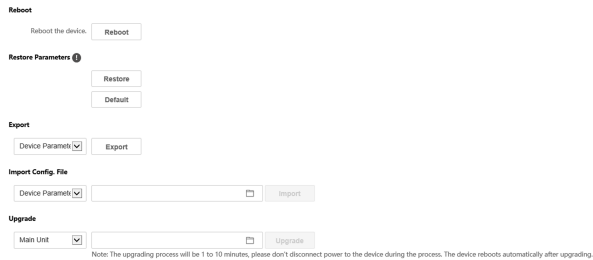
Click **Save** to enable the settings.

### DST

Click **System Settings** → **DST** to check **Enable DST**. Set the parameters according to your needs and click **Save** to enable the settings.

### Maintenance

Click **Maintenance** → **Upgrade & Maintenance** to enter the settings page.



**Figure 4-2 Maintenance**

- **Reboot:** Click **Reboot** to reboot the device.
- **Restore**  
Click **Restore** to reset all the parameters, except the IP parameters and user information, to the default settings.

### Default

Click **Default** to restore all parameters to default settings.

- **Export parameters:**
  1. Select **Device Parameters**, and click **Export** to pop up the dialog box.
  2. Set and confirm the encryption password.
  3. Click **OK** to export parameters.
- **Import Config. File:**
  1. Click browse icon to select the configuration file.
  2. Click **Import** and enter the encryption password to import.
- **Upgrade:** Click browse icon to select the upgrade file.

---

### **Note**

The upgrading process will last 1 to 10 minutes, do not power off during the upgrading. The device reboots automatically after upgrading.

---

## Authentication

Click **Security** → **Authentication** to enter the settings page. On the page, you can select **RTSP Authentication** according to your actual needs.

Click **Save** to enable the settings.

## Security Service

Click **Security** → **Security Service** to enter the settings page. On the page, you can enable SSH according to your actual needs.

Click **Save** to enable the settings.

## User Management

Click **User Management** to enter the settings page.

Administrator can edit the permission for the users.

---

### Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of 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 change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

---

## Online Users

Click **User Management** → **Online Users** to enter the page.



No.	User Name	Level	Each IP address segment should be less than 255. The first segment should be an integer between 1 and 223, and should not be 127. The fourth segment should not be 0 or 255.	User Operation Time
1	admin	Administrator	192.168.28	2020-02-27 16:48:23
2	admin	Administrator	156.15.163	2020-02-27 16:50:23

Total 2 items

Figure 4-3 Online Users

Click **Refresh** to get the present information.

## Arming/Disarming Information

Click **User Management** → **Arming/Disarming Information** to view the information. Click **Refresh** to get the present information.

## 4.5.3 Network Settings

### TCP/IP Settings

TCP/IP settings must be properly configured before you operate the device over network. The device supports IPv4.

#### Steps

1. Click **Network** → **Basic Settings** → **TCP/IP** to enter the settings page.

DHCP

IPv4 Address

IPv4 Subnet Mask

IPv4 Default Gateway

Mac Address

MTU

Alarm Center IP

Alarm Host Port

**DNS Server**

Preferred DNS Server

Alternate DNS Server

Save

Figure 4-4 TCP/IP Settings

2. Configure the network parameters.
  - Check **DHCP**, the device will get the parameters automatically.
  - Set the **IPv4 Address**, **IPv4 Subnet Mask** and **IPv4 Default Gateway** manually.
3. Configure the corresponding DNS server parameters.

4. Click **Save** to enable the settings.

## Port Settings

### Steps

1. Click **Network** → **Basic Settings** → **Port** to enter the settings page.

HTTP Port	<input type="text" value="80"/>
RTSP Port	<input type="text" value="554"/>
HTTPS Port	<input type="text" value="443"/>
Server Port	<input type="text" value="8000"/>



**Figure 4-5 Port Settings**

2. Set the ports of the device.

#### HTTP Port

The default port number is 80, and it can be changed to any port No. which is not occupied.

#### HTTPS Port

The default port number is 443, and it can be changed to any port No. which is not occupied.

#### RTSP Port

The default port number is 554.

#### Server Port

The default server port number is 8000, and it can be changed to any port No. ranges from 2000 to 65535.

3. Click **Save** to enable the settings.

## Wi-Fi Settings

### Steps

1. Go to **Network** → **Basic Settings** → **Wi-Fi** to enter the settings page.
2. Enable **Wi-Fi**.

3. Click **Add**, and set corresponding parameters. and **Password** of the Wi-Fi.
  - 1) Enter the **SSID**.
  - 2) Select **Working Mode**.
  - 3) Select **Encryption Type**.
  - 4) Click **OK**.
  - 5) **Optional**: Click **Refresh** to get the present information.
4. Click **Network Settings**, and set corresponding parameters.
5. Select **Security Mode**.
6. Click **Connect**.

## SIP Setting

### Steps

1. Click **Network** → **Basic Settings** → **SIP** to enter the settings page.

Enable VOIP Gateway

Register User Name

Registration Password

Server Address

Server Port

Expiry Time  minute(s)

Register Status

Number

Display User Name

**STUN Settings**

STUN Server Domain N...

STUN Server Domain Port

**Figure 4-6 SIP Settings**

2. Check **Enable VOIP Gateway**.
3. Configure the SIP parameters.
4. Click **Save** to enable the settings.

## FTP Settings

### Steps

1. Click **Network** → **Advanced** → **FTP** to enter the settings page.

Enable FTP

Server Type

Server IP Address

Port

Enable Anonymous

User Name

Password

Directory Structure

Parent Directory

Child Directory

**Picture Naming Rules**

Delimiter

Named Item

Named Element

**Save**

**Figure 4-7 FTP Settings**

2. Check **Enable FTP**.
3. Select **Server Type**.
4. Input the **Server IP Address** and **Port**.
5. Configure the FTP Settings, and the user name and password are required for the server login.
6. Set the **Directory Structure**, **Parent Directory** and **Child Directory**.



7. Set the picture naming rules.
8. Click **Save** to enable the settings.

## Platform Access

Platform access provides you an option to manage the devices via platform.

### Steps

1. Click **Network** → **Advanced Settings** → **Platform Access** to enter the settings page.
2. Check the checkbox of **Enable** to enable the function.
3. Select the **Platform Access Mode**.

---

#### **Note**

Hik-Connect is an application for mobile devices. With the App, you can view live image of the device, receive alarm notification and so on.

---

4. Create a **Stream Encryption/Encryption** for the device.

---

#### **Note**

6 to 12 letters (a to z, A to Z) or numbers (0 to 9), case sensitive. You are recommended to use a combination of no less than 8 letters or numbers.

---

5. Click **Save** to enable the settings.

## 4.5.4 Video & Audio Settings

### Video Parameters

#### Steps

1. Click **Video/Audio** → **Video** to enter the settings page.

Stream Type	Main Stream	▼
Video Type	Video&Audio	▼
Resolution	1920*1080P	▼
Bitrate Type	Variable	▼
Video Quality	Medium	▼
Frame Rate	25	▼ fps
Max. Bitrate	2048	kbps
Video Encoding	H.264	▼
Profile		
I Frame Interval	50	

**Save**

**Figure 4-8 Video Parameters**

2. Select the **Stream Type**.
3. Configure the video parameters.

### **Stream Type**

Select the stream type to main stream or sub stream.

### **Video Type**

Select the stream type to video stream, or video & audio composite stream. The audio signal will be recorded only when the **Video Type** is **Video & Audio**.

### **Resolution**

Select the resolution of the video output.

### **Bitrate Type**

Select the bitrate type to constant or variable.

### **Video Quality**

When bitrate type is selected as Variable, 6 levels of video quality are selectable.

### **Frame Rate**

Set the 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.

### Max. Bitrate

Set the max. bitrate from 32 to 16384 Kbps. The higher value corresponds to the higher video quality, but the better bandwidth is required.

### Video Encoding

The device supports H.264.

### I Frame Interval

Set I Frame Interval from 1 to 400.

4. Click **Save** to save the settings.

## Audio Parameters

### Steps

1. Click **Video/Audio** → **Audio** to enter the settings page.

Stream Type: Main Stream

Audio Encoding: G.711ulaw

Input Volume: 7

Output Volume: 7

Speak Volume: 7

Save

**Figure 4-9 Audio Settings**

2. Configure the stream type and the audio encoding type.

#### Stream Type

Select the stream type to main stream or sub stream.

#### Audio Encoding

The device support G.711ulaw and G.711 alaw.

3. Adjust the **Input Volume**, **Output Volume** and **Speak Volume**.

---

#### **Note**

Available range of volume: 0 to 10.

---

4. Click **Save** to save the settings.

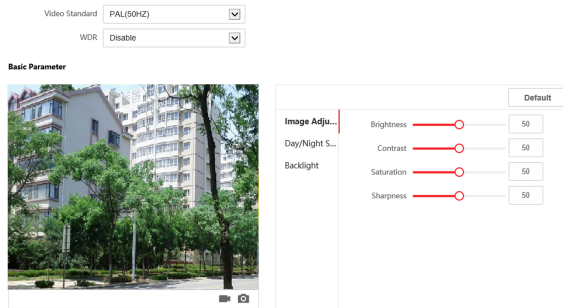
## 4.5.5 Image Settings

### Display Settings

Configure the image adjustment, backlight settings and other parameters in display settings.

#### Steps

1. Click **Image** → **Display Settings** to enter the display settings page.



**Figure 4-10 Display Settings**

2. Select the **Format**.
3. Set the display parameters.

#### WDR

Wide Dynamic Range can be used when there is a high contrast of the bright area and the dark area of the scene.

#### Brightness

Brightness describes bright of the image, which ranges from 1 to 100.

#### Contrast

Contrast describes the contrast of the image, which ranges from 1 to 100.

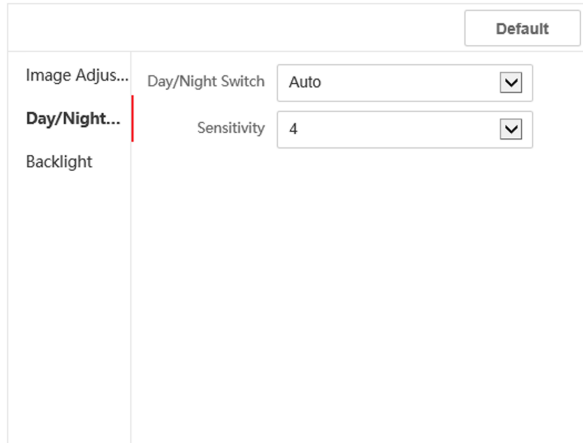
#### Saturation

Saturation describes the colorfulness of the image color, which ranges from 1 to 100.

#### Sharpness

Sharpness describes the edge contrast of the image, which ranges from 1 to 100.

4. Set the **Day/Night Mode**.



		<input type="button" value="Default"/>
Image Adjus...	Day/Night Switch	Auto
<b>Day/Night...</b>	Sensitivity	4
Backlight		

**Figure 4-11 Day/Night Mode**

- Set **Day Mode** or **Night Mode** manually.
- Set the mode as **Auto** and edit the sensitivity according to your needs.
- Set the mode as **Scheduled-Switch**. Set the start time and end time.

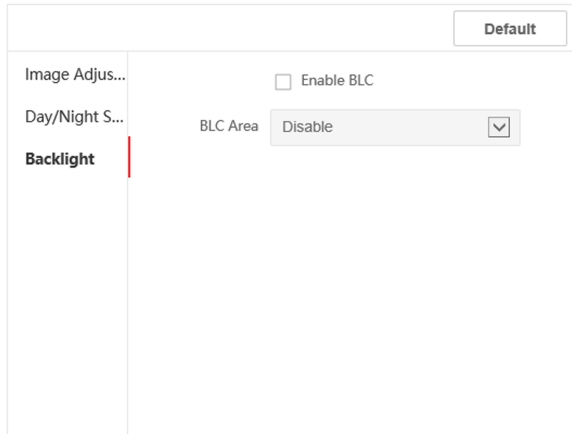
---

 **Note**

Daytime is from configured start time to configured time. The rest of the time is set as night by default.

---

5. Set the backlight parameters.



**Figure 4-12 Backlight**

- 1) Check the checkbox to enable BLC.
  - 2) Select **BLC Area**.
6. Click **Save** to enable the settings.

## OSD Settings



You can customize the camera name, time/date format, display mode, and OSD size displayed on the live view.

### Steps

1. Click **Image** → **OSD Settings** to enter the settings page.
2. Check the corresponding checkbox to select the display of camera name, date or week if required.
3. Edit the **Camera Name**.
4. Select from the drop-down list to set the **Time Format** and **Date Format**.
5. Adjust the OSD position.
6. Click **Save** to enable the settings.

## Target Cropping

### Steps

1. Click **Image**.
2. Enable target cropping.
3. Click "  " to crop photo.
4. Click "  " to crop video.
5. Select **Cropping Resolution**.
6. Click **Save**.

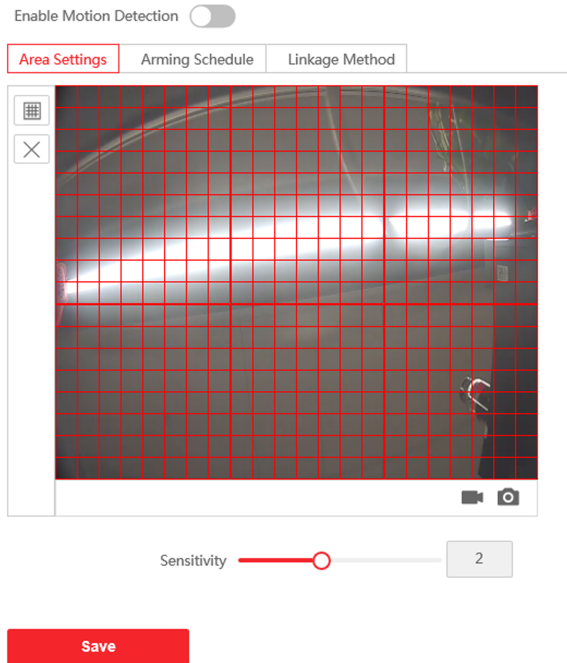
## 4.5.6 Event Settings

### Motion Detection

Motion detection detects the moving objects in the configured surveillance area, and a series of actions can be taken when the alarm is triggered.

### Steps

1. Click **Event** → **Motion** to enter the settings page.



**Figure 4-13 Motion Detection**

2. Check **Enable Motion Detection** to enable the function.
3. Click **Draw Area**. Click and drag the mouse on the live video to draw a motion detection area. Click **Stop Drawing** to finish drawing one area. Click **Save** to save the settings.
  - Clear Area** Click **Clear All** to clear all of the areas.
  - Adjust Sensitivity** Move the slider to set the sensitivity of the detection.
4. Click **Arming Schedule** to edit the arming schedule.
5. Click on the time bar and drag the mouse to select the time period. Click **Save** to save the settings.
  - Delete Schedule** Click **Delete** to delete the current arming schedule.
6. Click **Linkage Method** to enable the linkages.
  - Notify Surveillance Center**



Send an exception or alarm signal to the remote management software when an event occurs.

7. Click **Save** to enable the settings.

## Event Linkage

### Steps

1. Click **Event** → **Basic Event** → **Event Linkage** to enter the settings page.

Major Type

Minor Type

**Normal Linkage**

Notify Surveillance Center

**Figure 4-14 Event Linkage**

2. Select the **Major Type** as **Device Event** or **Door Event**.

3. Select the type of the **Normal Linkage** for the event.
4. Click **Save** to enable the settings.

### 4.5.7 Schedule Settings

You can create call schedule, or else the device will call indoor station all day by default.

#### Steps

1. Click **Schedule** → **Video Intercom** .
2. Click the next row below **Enable Indoor Station All Day by Default**.
3. Enter **Schedule Name**.
4. Select **Call Type**.
5. Set **Weekly Schedule**.
  - 1) Click **Weekly Schedule**.
  - 2) Drag mouse to set the schedule according to the actual needs.
  - 3) **Optional**: Click the copy icon to copy the schedule to other days according to the actual needs.
  - 4) Click **Save**.
6. Set **Holiday Schedule**.
  - 1) Click **Holiday Schedule**.
  - 2) Click **Add**.
  - 3) Set **Start Time** and **End Time**.
  - 4) Select **Call Type**.
  - 5) Drag mouse to set the schedule according to the actual needs.
  - 6) Click **OK**.
  - 7) You can edit or delete the schedule according to the actual needs.
  - 8) Click **Save**.

---

 **Note**

The holiday schedule have higher priority than weekly schedule when you set the two schedule at the same time.

---

### 4.5.8 Intercom Settings

## Device ID Configuration

### Steps

1. Click **Device ID Settings** to enter the page.

Device Type	Door Station <input type="checkbox"/>
Period No.	1
Building No.	1
Unit No.	1
Floor No.	1 <input type="checkbox"/>
Door Station No.	0
Community No.	0

Save

**Figure 4-15 Device ID Settings**

2. Select the device type from the drop-down list, and set the corresponding information.
3. Click **Save** to enable the device number configuration.

---

### Note

- For main door station (D series or V series), the serial No. is 0.
  - For sub door station (D series or V series), the serial No. cannot be 0. Serial No. ranges from 1 to 99.
  - For each villa or building, at least one main door station (D series or V series) should be configured, and one sub door stations (D series or V series) can be customized.
  - For one main door station (D series or V series), up to 8 sub door stations can be configured.
- 

## Linked Network Settings

### Steps

1. Go to **Intercom** → **Session Settings** to enter the settings page.
2. Set **Register Number** and **Registration Password**.
3. Set **Main Station IP** and **VideIntercom Server IP**.

4. Enable Protocol 1.0.
5. Click **Save** to enable the settings.

## Time Parameters

Go to **Intercom** → **Time Parameters** to enter the page.

Configure **Max. Call Duration**, **Max. Message Duration**, **Max. Ring Duration**, and click **Save**.

## Ring-Back Tone Settings

Click **Intercom** → **Ringbacktone Settings** to enter the settings page.

Click **Add** to select the ring tone from PC.



### Note

Available Audio Format: WAV、AAC, Size: Less than 600 KB, Sample Rate: 8000Hz, Mono.

---

## Press Button to Call

### Steps

1. Go to **Intercom** → **Press Button to Call** to enter the settings page.
2. Check **Call Indoor Station** or **Call Management Center** as the button call target.

---

 **Note**

If you check **Call Indoor Station**, you should enter the call indoor station No.

---

3. Click **Save**.

## Input and Output

Go to **Intercom** → **I/O Settings** to enter the settings page.

I/O Input No.	<input type="text" value="Input1"/>
Input	<input type="text" value="Door Status"/>
I/O Output No.	<input type="text" value="Output1"/>
Input	<input type="text" value="Electric Lock"/>



**Figure 4-16 IO Input and Output**

Select **I/O Input No.**, **Input**, **I/O Output No.** and **Output**.

Click **Save** to enable the settings.

### 4.5.9 Access Control Settings

#### Door Parameters

##### Steps

1. Click **Access Control** → **Door Parameters** to enter the settings page.

Door	<input type="text" value="Door1"/>
Door Name	<input type="text"/>
Door Contact	<input type="radio"/> Remain Closed <input checked="" type="radio"/> Remain Open
Lock Action Time	<input type="text" value="15"/> S



**Figure 4-17 Door Parameters**

2. Select the door and edit the door name.
3. Set door contact status.
4. Set lock action time.
5. Click **Save** to enable the settings.

#### Card Security

Go to **Access Control** → **Card Security** to enter the settings page.

Slide to enable card encryption parameters and CPU card reading content. Click **Save** to enable the settings.

## Elevator Control

### Before You Start

- Make sure your door station is in the mode of main door station. Only the main door station support elevator control function.
- Make sure your door station has been connected to the elevator controller via RS-485 wire if you want to use RS-485 interface.

### Steps

1. Click **Access Control** → **Elevator Control** to enter the corresponding configuration page.

Enable elevator control

Elevator No.

Elevator Controller Type

Interface Type

Negative Floor Capacity

Alarm Receiver Type

Server IP Address

Port

User Name

Password

**Save**

**Figure 4-18 Elevator Control**

2. Check to enable elevator control function.
3. Select an Elevator No., and select an elevator controller type for the elevator.

4. Set the Negative Floor.
5. Select the Interface Type as RS-485 or Network Interface. And enable the elevator control.
  - If you select RS-485, make sure you have connected the door station to the elevator controller with RS-485 wire.
  - If you select Network interface, enter the elevator controller's IP address, port No., user name, and password.
6. Click **Save** to enable the settings.

---

 **Note**

- Up to 4 elevator controllers can be connected to one door station.
  - Up to 10 negative floors can be added.
  - Make sure the interface types of elevator controllers, which are connected to the same door station are consistent.
-

## 5 Configuration via Client Software

### 5.1 Device Management

Device management includes device activation, adding device, editing device, and deleting device, and so on.

After running the iVMS-4200, video intercom devices should be added to the client software for remote configuration and management.

#### 5.1.1 Add Online Device

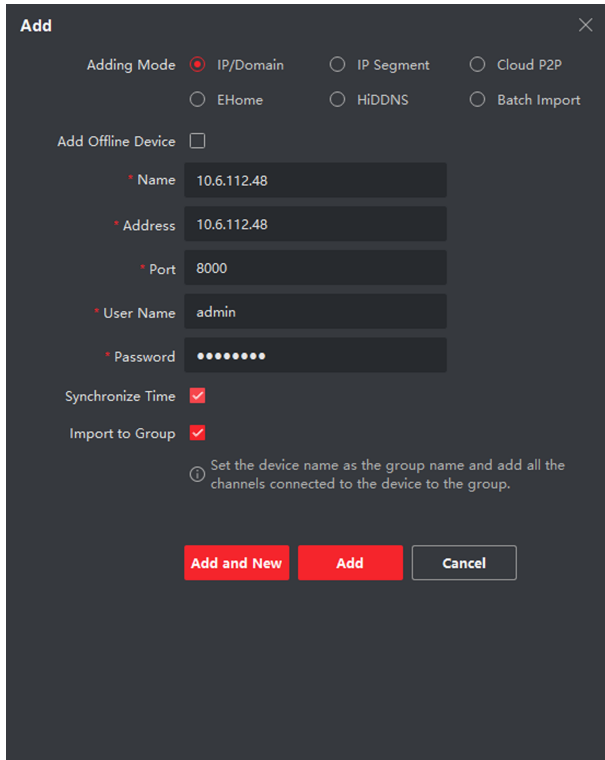
##### **Before You Start**

Make sure the device to be added is in the same subnet with your computer. Otherwise, please edit network parameters first.

##### **Steps**

1. Click **Online Device** to select an active online device.
2. Click **Add**.
3. Enter corresponding information, and click **Add**.





**Add** [X]

Adding Mode  IP/Domain  IP Segment  Cloud P2P  
 EHome  HiDDNS  Batch Import

Add Offline Device

\* Name 10.6.112.48

\* Address 10.6.112.48

\* Port 8000

\* User Name admin

\* Password ●●●●●●

Synchronize Time

Import to Group

① Set the device name as the group name and add all the channels connected to the device to the group.

**Add and New** **Add** Cancel

Figure 5-1 Add to the Client

### 5.1.2 Add Device by IP Address

#### Steps

1. Click **+Add** to pop up the adding devices dialog box.
2. Select **IP/Domain** as **Adding Mode**.
3. Enter corresponding information.
4. Click **Add**.

### 5.1.3 Add Device by IP Segment

You can add many devices at once whose IP addresses are among the IP segment.

#### Steps

1. Click **+Add** to pop up the dialog box.
2. Select **IP Segment** as **Adding Mode**.
3. Enter corresponding information, and click **Add**.

## 5.2 Live View via Door Station

#### Steps

1. On the main page of the client software, click **Main View** to enter the Live View page.
2. In the left list of the window, double-click the device IP or click the play icon to live view.
3. **Optional:** On the Live View page, control-click and select **Capture** to get the picture of the live view.

## 5.3 Video Intercom Settings

The Video Intercom Management module provides the function of video intercom, checking call logs and managing notice via the iVMS-4200 Client Software.

---

#### Note

For the user with access control module permissions, the user can enter the Access Control module and manage video intercom and search information.

---

You should add the device to the software and configure the person to link the device in Access Control module before your configuration remotely.

On the main page, click  **AccessControlInfo** → **Video Intercom** → **Video Intercom** on the left bar to enter the Video Intercom page.


### 5.3.1 Receive Call from Door Station

#### Steps

1. Select the client software in the page to start calling the client and an incoming call dialog will pop up in the client software.
2. Click **Answer** to answer the call. Or click **Hang Up** to decline the call.

3. After you answer the call, you will enter the In Call page.


**Adjust the Volume of Loudspeaker**

Click  to adjust the volume of loudspeaker.


**Hang Up**

Click **Hang Up** to hang up.

**Adjust the Volume of Microphone**

Click  to adjust the volume of microphone.

**Unlock Remotely**

For door station, you can click  to open the door remotely.

 **Note**

- One video intercom device can only connect with one client software.
- The maximum ring duration can be set from 15s to 60s via the Remote Configuration of the video intercom device.
- The maximum speaking duration between indoor station and iVMS-4200 can be set from 120s to 600s via the Remote Configuration of indoor station.
- The maximum speaking duration between door station and iVMS-4200 can be set from 90s to 120s via the Remote Configuration of door station.

### 5.3.2 Search Call Logs

#### Steps

1. On the Video Intercom page, click **Call Log** to enter the page.

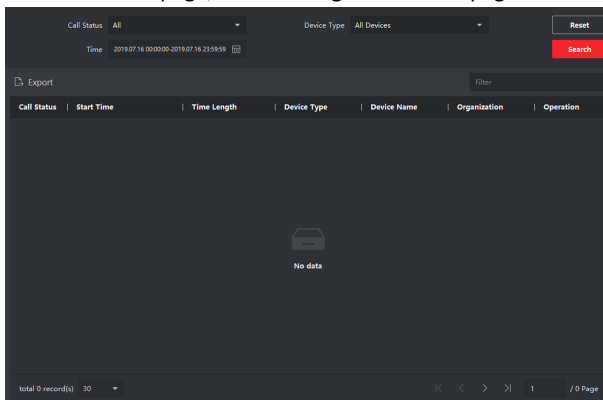


Figure 5-2 Search Call Logs

2. Set the search conditions, including call status, device type, start time and end time.

**Call Status**

Click **∨** to unfold the drop-down list and select the call status as **Dialed**, **Received** or **Missed**. Or select **All** to search logs with all statuses.

**Device Type**

Click **∨** to unfold the drop-down list and select the device type as **Indoor Station**, **Door Station**, **Outer Door Station** or **Analog Indoor Station**. Or select **All Devices** to search logs with all device types.

**Start Time/End Time**


Click the time icon to specify the start time and end time of a time period to search the logs.

**Reset the Settings**      Click **Reset** to reset all the configured search conditions.

3. Click **Search** and all the matched call logs will display on this page.
4. **Optional:** Check the detailed information of searched call logs, such as call status, ring/speaking duration, device name, resident organization, etc.
5. **Optional:** Input keywords in the Search field to filter the desired log.
6. **Optional:** Click **Export** to export the call logs to your PC.

### 5.3.3 Upload Armed Information

#### Steps

1. On the main page, click upper right  → **Tool** → **DeviceGuard** to enter the page.
2. Enable to arm or disarm the device.

---

 **Note**

- While device has been added to the client software, the device armed by default.
  - When the device is armed, the alarm logs upload to the client software automatically.
  - Click **Alarm Application** → **Event Search** to search the alarm logs.
- 

3. **Optional:** Click **Arm All** or **Disarm All** to arm or disarm all the device.

# A. Communication Matrix and Device Command

## Communication Matrix

Scan the following QR code to get the device communication matrix.

Note that the matrix contains all communication ports of Hikvision access control and video intercom devices.



Figure A-1 QR Code of Communication Matrix

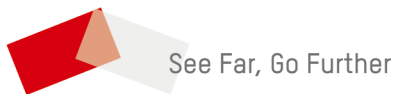
## Device Command

Scan the following QR code to get the device common serial port commands.

Note that the command list contains all commonly used serial ports commands for all Hikvision access control and video intercom devices.



Figure A-2 Device Command



ENGLISH

Diagram References

1 Appearance

- ① Calling Indicator
- ② Two-way Audio Indicator
- ③ Unlock Indicator
- ④ Module-connecting Interface (Output)
- ⑤ Module-connecting Interface (Input)
- ⑥ Debugging Port

Note: The module-connecting interface is used to connect other function module, such as nametag module, keypad module, card reader module, etc. All these modules are known as sub module.

2 Terminal

- ① 485-: Module-connecting Interface (Input)
- ② 485+: Module-connecting Interface (Input)
- ③ 12V IN: Module-connecting Interface (Input)
- ④ GND: Module-connecting Interface (Input)
- ⑤ 485-: Module-connecting Interface (Output)
- ⑥ 485+: Module-connecting Interface (Output)
- ⑦ 12V IN: Module-connecting Interface (Output)
- ⑧ GND: Module-connecting Interface (Output)

3 Installation

Note: Video intercom module door station support one-module installation, two-module installation, three-module installation and more-than-three-module installation. Here takes three-module installation as an example.

Before You Start

- Tools that you need to prepare for installation: Drill(6), cross screw driver (PH1\*150 mm), and gradienter.
- Make sure all the related equipment is power-off during the installation.
- Make sure you have configured the sub module address before installation. Valid sub module address range is 1 to 8. The No. should be unique for sub modules that connected to the same main unit. The sub module address and corresponding switch status is shown as the figure.

Sub Module	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
Module 1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Module 2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF

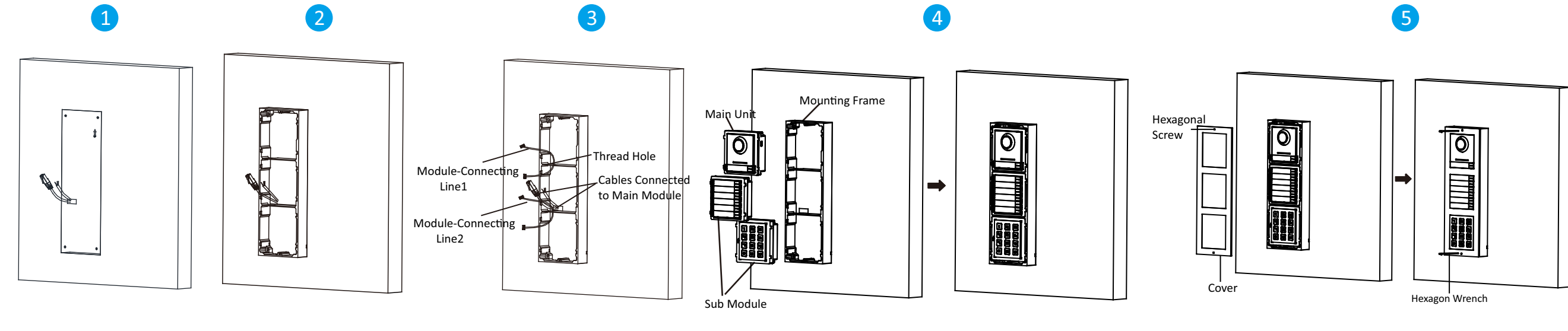
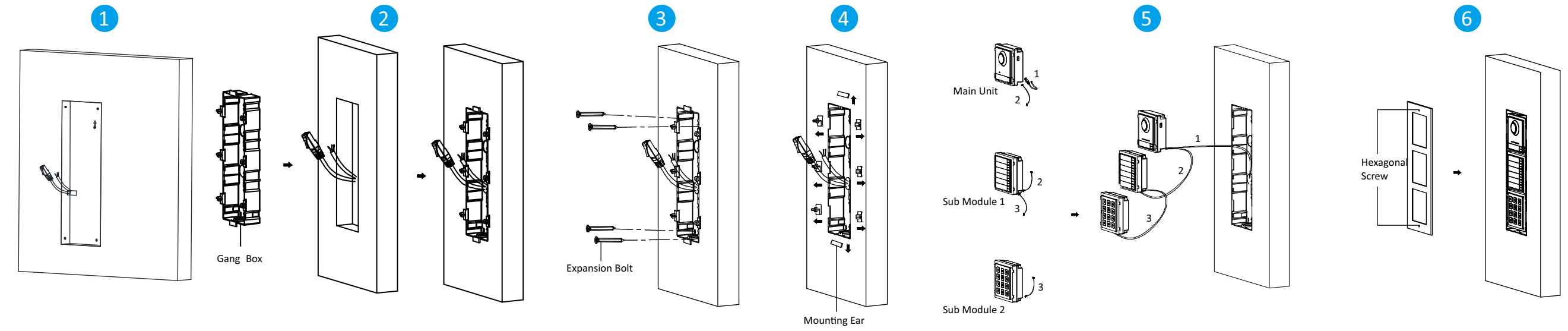
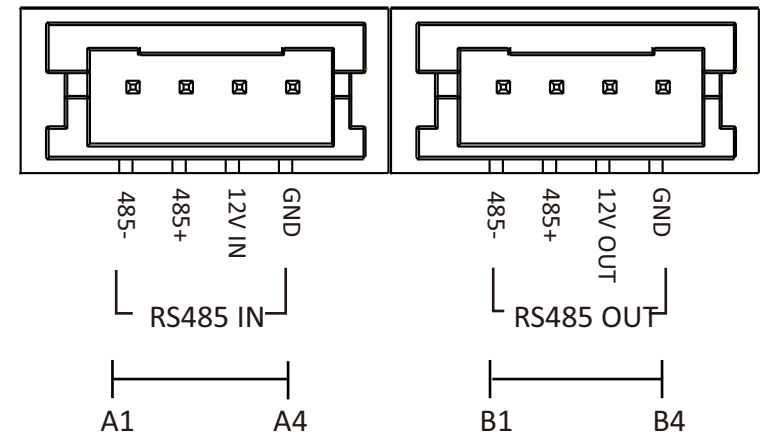
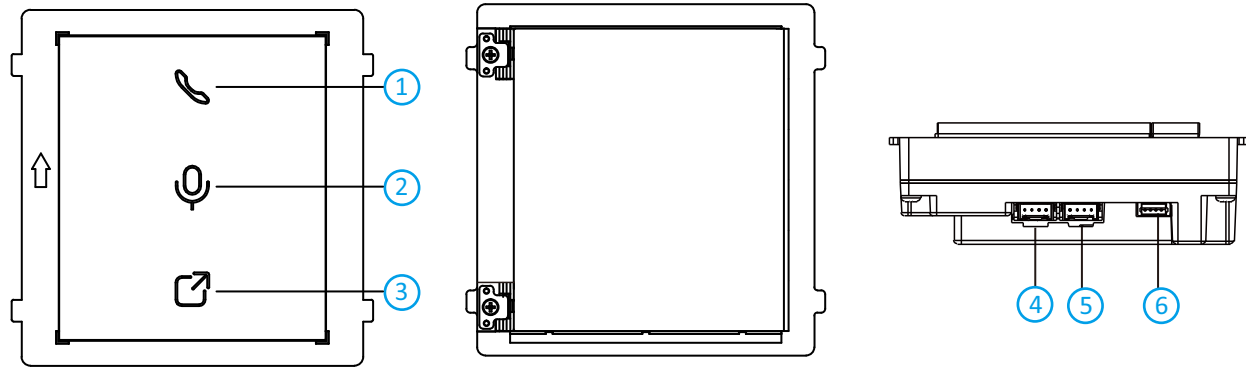
★ Three-Module Flush Mounting

1. Cave the installation hole, and pull the cable out.
  - Note: The suggested dimension of the installation hole is 321.8(W) × 108(H) × 45.5(D) mm. The suggested length of the cables left outside is 270 mm.
2. Select a cable entry and remove the plastic sheet. Route the cables through the gang box hole. Insert the gang box into the installation hole. Mark the gang box screw holes' position with a marker, and take out the gang box.
3. Drill 4 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes. Fix the gang box with 4 expansion bolts.
4. Fill the gap between the gang box and wall with concrete or Silicone sealant. Remove the mounting ears with tool after concrete is dry.
5. Connect cables and insert the modules.
  - a. Connect Cable 1 and one end of Cable 2 to the corresponding interfaces of the main unit, then insert the main unit into the upper grid.
  - b. Connect the other end of Cable 2 to the input interface of Sub Module 1. Connect one end of Sub Module 1 and insert it into the middle grid.
  - c. Connect the other end of Cable 3 to the input interface of Sub Module 2. Insert it into the bottom grid.
6. Fix the cover and the main unit with 2 socket head cap screws by using a hexagon wrench.

★ Surface Mounting with Protective Shield

1. Paste the installation sticker 1 onto the wall. Make sure the sticker is placed horizontally via measuring with the gradienter. Drill 4 holes according to the screw holes on the sticker.
  - Note: The suggested size of hole is 6(diameter) × 25(depth) mm. The suggested length of the cables left outside is 270 mm.
2. Remove the sticker and insert the expansion sleeves into the screw holes. Fix the mounting frame onto the wall with 4 expansion bolts.
3. Thread the module-connecting line across the thread holes of the frame. Pass the main unit connecting line across the thread hole to the top grid and connect the cables.
  - a. Connect the lines and module-connecting line 1 to the corresponding interfaces of the main unit, then place the main unit into the upper grid.
  - b. Connect the other end of the module-connecting line 1 to the input interface of the sub modules via module-connecting line 2.
  - c. Organize the cables with cable tie in the package.
4. Insert the modules into the frame after wiring. The main unit must be placed in the top grid.
5. Use the hexagon wrench in the package to fix the cover onto the frame.

Indicator Module Information Module



FRANÇAIS
Références du schéma

## 1 Apparence

Remarque : l'interface de connexion de module permet de connecter d'autres modules fonctionnels, par exemple module porte-nom, module clavier, module lecteur de carte, etc. Tous ces modules sont désignés comme sous-modules.

## 2 Borne

Remarque : reportez-vous au « Manuel d'utilisation » pour une description du câblage.

## 3 Installation

Remarque : la station de porte avec module d'interphone vidéo prend en charge l'installation d'un à plus de trois modules. Nous prenons ci-après, à titre d'exemple, l'installation de trois modules.

Avant de commencer :

- Préparez les outils nécessaires à l'installation : forêt (Ø 6 mm), tournevis cruciforme (PH1 x 150 mm) et niveau à bulle.
- Assurez-vous que l'équipement connexe est bien hors tension pendant l'installation.
- Assurez-vous d'avoir configuré l'adresse du sous-module avant installation. La plage d'adresse correcte d'un sous-module est comprise entre 1 et 8. Chaque adresse doit être unique pour les sous-modules connectés à une même unité principale. L'adresse du sous-module et l'état des microcommutateurs correspondants sont illustrés dans la figure.

### ★ Montage encastré à trois modules

- Creusez le trou d'installation et faites sortir le câble.
  - Remarque : les dimensions conseillées du trou d'installation sont de 321,8 × 108 × 45,5 mm (L × H × P). La longueur conseillée des câbles laissés dehors est de 270 mm.
- Sélectionnez une entrée de câble et retirez le film plastique. Faites passer les câbles à travers le trou du boîtier de raccordement. Insérez le boîtier de raccordement dans le trou d'installation. Marquez la position des trous de vis du boîtier de raccordement avec un marqueur, puis enlevez le boîtier de raccordement.
- Percez les 4 trous en fonction des repères sur le mur, puis insérez les chevilles d'expansion dans les trous de vis. Fixez le boîtier de raccordement avec 4 boulons expansibles.
- Remplissez l'espace entre le boîtier de raccordement et le mur avec du béton ou du mastic silicone. Retirez les oreilles de montage à l'aide d'un outil, une fois le béton sec.
- Connectez les câbles et insérez les modules.
- Connectez le câble 1 et l'une des extrémités du câble 2 aux interfaces correspondantes de l'unité principale, puis insérez l'unité principale dans la grille du haut.
- Connectez l'autre extrémité du câble 2 à l'entrée de l'interface du sous-module 1. Connectez une des extrémités du sous-module 1 et l'insérez dans la grille du milieu.
- Connectez l'autre extrémité du câble 3 à l'entrée de l'interface du sous-module 2. Insérez-le dans la grille du bas.
- Fixez le couvercle et l'unité principale avec 2 vis d'assemblage à tête hexagonale à l'aide d'une clé 6 pans.

### ★ Montage en surface à trois modules

- Collez l'adhésif d'installation 1 sur le mur. Assurez-vous que l'adhésif est placé horizontalement en utilisant le niveau à bulle. Pratiquez 4 trous en fonction des trous de vis sur l'adhésif.
  - Remarque : les dimensions conseillées du trou sont de 6 × 25 mm (diamètre × profondeur). La longueur conseillée des câbles laissés dehors est de 270 mm.
- Retirez l'adhésif et insérez les chevilles d'expansion dans les trous de vis. Fixez le cadre de montage au mur à l'aide des 4 boulons expansibles.
- Enfilez la ligne de connexion de module dans les trous filetés du cadre. Faites passer la ligne de connexion de l'unité principale dans le trou fileté de la grille du haut et connectez les câbles.
- Connectez les lignes et la ligne 1 de connexion de module aux interfaces correspondantes de l'unité principale, puis placez l'unité principale dans la grille du haut.
- Connectez l'autre extrémité de la ligne 1 de connexion de module à l'interface d'entrée des sous-modules via la ligne 2 de connexion de module.
- Rangez les câbles à l'aide du serre-câble fourni dans l'emballage.
- Insérez les modules dans le cadre après câblage. L'unité principale doit être placée dans la grille du haut.
- Utilisez la clé 6 pans fournie dans l'emballage pour fixer le couvercle au cadre…

ČEŠTINA
Odkazy na schéma

1 Vzhled
<span></span>

Poznámka: Rozhraní pro připojení modulu se používá k připojení dalších funkčních modulů, jako je modul jmennový, modul klávesnice, modul pro čtení karet atd. Všechny tyto moduly se nazývají dílčí moduly.

### 2 Svorka

Poznámka: Popis zapojení odkazuje na uživatelskou příručku.

### 3 Montáž

Poznámka: Dvěhí stanice s modulem pro videokonferenci podporuje instalaci jednoho modulu, instalaci dvou modulů, instalaci tří modulů a instalaci více než tří modulů. Zde je jako příklad instalace tří modulů.

**Dříve než začnete:**

- Nástroje, které si musíte připravit na instalaci: Vrták (ø 6), křížový šroubovák (PH1\*150 mm) a skloměr.
- Během instalace se ujistěte, že všechna související zařízení jsou vypnutá.
- Před instalací se ujistěte, že jste nakonfigurovali adresu dílčího modulu. Platný rozsah adres dílčích modulů je 1 až 8. Číslo by mělo být pro dílčí moduly připojené ke stejné hlavní jednotce jedinečné. Adresa dílčího modulu a odpovídající stav přírodních jsou zobrazeny jako obrázek.

### ★ Zapuštěná montáž tří modulů

- Vyhluďte instalační otvor a vytáhnete kabel ven.
  - Poznámka: Doporučený rozměr instalačního otvoru je 321,8 (S) × 108 (V) × 45,5 (H) mm. Navrhovaná délka vnějších kabelů je 270 mm.
- Vyberte kabelový vstup a odstraňte plastovou fólii. Kabely protáhněte otvorem v přístrojové krabici. Vložte přístrojovou krabici do instalačního otvoru. Označte polohu otvoru na šrouby přístrojové krabice značkovačem a vyměřte přístrojovou krabici.
- Vyperte 4 otvory podle značek na zdi a zasuňte rozpěrná pouzdra do otvorů na šrouby. Upevněte přístrojovou krabici pomocí 4 rozpěrných šroubů.
- Vypříte mezeru mezi přístrojovou krabicí a zdí betonem nebo silikonovým tmelem. Po zaschnutí betonu vyjměte pomocí nástroje montážní ouška.
- Připojte kabely a vložte moduly.
- Připojte kabel 1 a jeden konec kabelu 2 k odpovídajícím rozhraním hlavní jednotky a poté vložte hlavní jednotku do horního modulu.
- Připojte druhý konec kabelu 2 ke vstupnímu rozhraní dílčího modulu 1. Připojte jeden konec dílčího modulu 1 a vložte jej do střední mížky.
- Připojte druhý konec kabelu 3 ke vstupnímu rozhraní dílčího modulu 2. Vložte jej do spodní mížky.
- Pomocí šestihraného klíče upevněte kryt a hlavní jednotku pomocí 2 šroubů s víčkovou hlavou.

### ★ Montáž tří modulů na povrchu

- Nalepte instalační samolepku 1 na zeď. Ujistěte se pomocí měření skloměrem, že je nálepka umístěna vodorovně. Vytvřete 4 otvory podle otvorů na samolepce.
  - Poznámka: Doporučená velikost otvoru je 6 (průměr) × 25 (hloubka) mm. Navrhovaná délka vnějších kabelů je 270 mm.
- Odstraňte samolepku a vložte rozpěrná pouzdra do otvorů na šrouby. Upevněte montážní rám na zeď pomocí 4 rozpěrných šroubů.
- Navlékněte vedení pro připojení modulu přes závrtové otvory pro rám. Propojte spojovací vedení hlavní jednotky přes závrtový otvor do horní mížky a připojte kabely.
- Připojte vedení a vedení 1 pro připojení modulu k odpovídajícím rozhraním hlavní jednotky a umístěte hlavní jednotku do horní mížky.
- Připojte druhý konec vedení 1 pro připojení modulu ke vstupnímu rozhraní dílčích modulů pomocí vedení 2 pro připojení modulu.
- Uspořádejte kabely pomocí kabelové pásky, která se nachází v balení.
- Pro zapojení vložte moduly do rámu. Hlavní jednotka musí být umístěna v horní mížce.
- K upevnění krytu k rámu použijte šestihraný klíč, který se nachází v balení.

PORTUGUÉS
Referências do diagrama

## 1 Aspeto

Nota: A interface de ligação dos módulos é utilizada para ligar outro módulo de função, como o módulo de etiqueta de nome, o módulo de teclado, o módulo do leitor de cartões, etc. Todos estes módulos são conhecidos por "submódulo".

### 2 Terminal

Nota: A descrição da cablagem está descrita no Manual do Utilizador.

### 3 Instalação

Nota: A estação de porta com módulo de videotelefone suporta a instalação de um módulo, de dois módulos, de três módulos e de mais de três módulos. Aqui assumimos como exemplo uma instalação de três módulos.

Antes de começar:

- Ferramentas necessárias para se preparar para a instalação: Berbequim (ø6), chave de fendas de cabeça cruzada (PH1\*150 mm) e instrumento de medição de gradiente.
- Certifique-se de que, durante a instalação, todo o equipamento relacionado se encontra desligado.
- Certifique-se de que configura o endereço do submódulo antes da instalação. O intervalo válido do endereço do submódulo é de 1 a 8. O N.º deve ser único para os submódulos ligados à mesma unidade principal. O endereço do submódulo e o respetivo estado de comutação são apresentados na figura.

### ★ Montagem nivelada com três módulos

- Perfure o orifício de instalação e puxe o cabo para fora.
  - Nota: A dimensão sugerida do orifício de instalação é de 321,8 (L) × 108 (A) × 45,5 (D) mm. O comprimento sugerido dos cabos deixados de fora é de 270 mm.
- Selecione uma entrada de cabo e remova a película de plástico. Examine os cabos pelo orifício da caixa. Insira a caixa no orifício de instalação. Marque a posição dos orifícios dos parafusos da caixa com um marcador, e retire a caixa para trás.
- Faça 4 orifícios com o berbequim de acordo com as marcações na parede, e insira as mangas de expansão nos orifícios dos parafusos. Fixe a caixa com 4 parafusos de expansão.
- Encha o espaço entre o cabo e a parede com cimento ou vedante de silicone. Remova as abas de montagem com a ferramenta depois de o cimento estar seco.
- Ligue os cabos e insira os módulos.
- Ligue o Cabo 1 e uma extremidade do Cabo 2 às interfaces correspondentes da unidade principal, e em seguida insira a unidade principal na grelha superior.
- Ligue a outra extremidade do Cabo 2 à interface de entrada do Submódulo 1. Ligue uma extremidade do Submódulo 1 e insira-a na grelha central.
- Ligue a outra extremidade do Cabo 3 à interface de entrada do Submódulo 2. Insira-a na grelha inferior.
- Fixe a tampa e a unidade principal com os 2 parafusos cilíndricos sextavados utilizando uma chave de Allen (sextavada).

### ★ Montagem em superfície com três módulos

- Cole o autocolante de instalação 1 na parede. Certifique-se de que o autocolante se encontra colocado numa posição horizontalmente com o medidor de gradientes. Perfure 4 orifícios de acordo com os orifícios dos parafusos indicados no autocolante.
  - Nota: A dimensão sugerida do orifício é de 6 mm (diâmetro) × 25 mm (profundidade). O comprimento sugerido dos cabos deixados de fora é de 270 mm.
- Retire o adesivo e insira as mangas de expansão nos orifícios dos parafusos. Fixe a estrutura de montagem na parede com os 4 parafusos de expansão.
- Passa a linha de ligação dos módulos pelos orifícios do fio da estrutura. Passe a linha de ligação da unidade principal pelo orifício do fio até à grelha superior e ligue os cabos.
- Ligue as linhas e a linha de ligação dos módulos 1 às interfaces correspondentes da unidade principal e, em seguida, conecte a unidade principal na grelha superior.
- Ligue a outra extremidade da linha de ligação dos módulos 1 à interface de entrada dos submódulos através da linha de ligação de módulo 2.
- Organize os cabos com a bradeira no pacote.
- Insira os módulos na estrutura após a ligação dos fios. A unidade principal tem de ser colocada na grelha superior.
- Utilize a chave sextavada no pacote para fixar a tampa na estrutura.

POLSKI
Opis diagramu

### 1 Elementy urządzenia

Uwaga: Złącze modułu umożliwia podłączenie innych modułów funkcyjnych, takich jak panel z etykietami z nazwiskami/nazwami, panel sterowania, czynniki kart itp. Wszystkie moduły tego typu są zwane modułami podrzędnymi.

### 2 Zaciski

Uwaga: opis połączeń jest zgodny z Podręcznikiem użytkownika.

### 3 Instalacja

Uwaga: Panel wejściowy wideokonferencji jest przystosowany do instalacji z jednym modułem, dwoma modułami, trzema modułami lub więcej niż trzema modułami. Poniżej omówiono jako przykład instalację z trzema modułami.

**Zanim rozpocznieisz:**

- Przed instalacją przygotuj następujące narzędzia: wiertło (ø6), wkrętak krzyżowy (PH1\*150 mm) i poziomica.
- Podczas instalacji wszystkie powiązane urządzenia powinny być odłączone od zasilania.
- Wybierz instalację upewnij się, że adres modułu podrzédnego został skonfigurowany. Adres modułu podrzédnego musi należeć do zakresu 1–8. Numery modułów podrzędnych, podłączonych do określonej jednostki głównej, powinny być unikatowe. Na rysunku przedstawiono adres modułu podrzędnego i odpowiedni stan przełącznika.

### ★ Montaż podtynkowy z trzema modułami

- Wykonaj wnękę instalacyjną i przeciągnij przewody.
  - Uwaga: Zalecane są wymiary wnęki instalacyjnej 321,8 (szer.) × 108 (wys.) × 45,5 (gł.) mm. Zalecana długość odcinka przewodów znajdującego się na zewnątrz wnęki to 270 mm.
- Wybierz włot przewodu i usuń arkusz z tworzywa sztucznego. Przelóż przewody przez otwór w puszcze montażowej. Umieść puszkę montażową we wnęce instalacyjnej. Oznacz markerem położenie otworów na wkręty w puszcze montażowej, a następnie wyjmij puszkę z wnęki.
- Wymierz cztery otwory w miejscach oznaczonych na ścianie i nakłóć kilka rozporowe do otworów. Przymocuj puszkę montażową przy użyciu czterech wkrętów w kołkach rozporowych.
- Wypełnij betonem lub szczielnym silikonowym szczielnym mieszką montażową a ścianą. Usuń zacepy montażowe odpowiednim narzędziem po wyschnięciu betonu.
- Podłącz przewody i włóż moduły.
  - Podłącz przewód nr 1 i jedno z zakończonych przewodów nr 2 do odpowiednich złączy modułu głównego, a następnie umieść moduł główny w górnym gnieździe.
  - Podłącz drugi koniec przewodu nr 2 do złącza wejściowego modułu podrzędnego nr 1. Podłącz jedno z zakończonych przewodów modułu podrzędnego nr 1 i umieść ten moduł w środkowym gnieździe.
  - Podłącz drugi koniec przewodu nr 3 do złącza wejściowego modułu podrzędnego nr 2. Umieść moduł w dolnym gnieździe.
  - Przymocuj pokrywę i moduł główny dwoma wkrętami z łbem gniazdowym, korzystając z klucza imbusowego.

### ★ Montaż natynkowy z trzema modułami

- Umieść naklejkę instalacyjną nr 1 na ścianie. Upewnij się, że naklejka jest ułożono poziomo, korzystając z poziomicy. Wymierz cztery otwory zgodnie z oznaczeniami na naklejce.
  - Uwaga: Zalecane są wymiary otworów 6 (średnica) × 25 (głębokość) mm. Zalecana długość odcinka przewodów znajdującego się na zewnątrz wnęki to 270 mm.
- Usuń naklejkę i włóż kołki rozporowe do otworów na wkręty. Przymocuj wspornik montażowy na ścianie czterema wkrętami w kołkach rozporowych.
- Przelóż przewody potężniejsze modułów przez otwory we wsporniku. Przelóż przewód wejściowy modułu głównego przez otwór w górnym gnieździe i podłącz ten przewód.
- Podłącz drugi koniec wejściowy i przewód potężniejszy modułów nr 1 do odpowiednich złączy modułu głównego, a następnie umieść moduł główny w górnym gnieździe.
- Podłącz drugi koniec przewodu potężniejszego modułów nr 1 do złącza wejściowego pierwszego modułu podrzędnego i podłącz następny moduł przewodem nr 2.
- Przymocuj przewody opaską dostarczoną w pakiecie.
- Po podłączeniu przewodów umieść moduły we wsporniku. Moduł główny należy umieścić w górnym gnieździe.
- Korzystając z klucza imbusowego dostarczonego w pakiecie, przymocuj pokrywę na wsporniku.

ESPAÑOL
Referencias del diagrama

## 1 Apariencia

Nota: la interfaz de conexión de módulo sirve para conectar otro módulo funcional, como el módulo de credencial, el módulo de teclado, el módulo de lector de tarjetas, etc. Todos estos módulos son conocidos como módulos secundarios.

### 2 Terminal

Nota: para ver una descripción del cableado, consulte el manual de usuario.

### 3 Instalación

Nota: el módulo de estación de video intercomunicador para puerta es compatible con la instalación de un módulo, dos módulos, tres módulos o más módulos. Aquí tomamos la instalación de tres módulos como ejemplo.

Antes de empezar:

- Herramientas que necesita para la instalación: Taladro (ø6), destornillador de estrella (PH1 × 150 mm) y nivel.
- Asegúrese de que el equipo relacionado esté apagado durante la instalación.
- Asegúrese de haber configurado la dirección del módulo secundario antes de la instalación. La dirección válida del módulo secundario oscila entre 1 y 8. El número debe ser distinto para cada módulo secundario conectado a la misma unidad principal. La dirección del módulo secundario y el interruptor correspondiente aparece en la figura.

### ★ Montaje empotrado de tres módulos

- Repase el orificio de montaje y saque el cable.
  - Nota: las dimensiones aconsejadas para el orificio de montaje son de 321,8 (ancho) × 108 (alto) × 45,5 (largo) mm. La longitud aconsejada para los cables que quedan fuera es de 270 mm.
- Seleccione una entrada de cable y retire la lámina de plástico. Pase los cables a través del orificio de la caja de fusibles. Inserte la caja de fusibles en el orificio de montaje. Marque la posición de los orificios para los tornillos de la caja de fusibles con un rotulador y retire la caja de fusibles.
- Taladre 4 agujeros según las marcas realizadas en la pared e inserte los tacos de expansión en los agujeros para los tornillos. Fije la caja de fusibles con 4 tornillos de expansión.
- Rellene el hueco entre la caja de fusibles y la pared con cemento o silicona. Retire los soportes con una herramienta cuando el cemento se haya secado.
- Conecte los cables e inserte los módulos.
  - Conecte el cable 1 y un extremo del cable 2 a las interfaces correspondientes de la unidad principal, luego inserte la unidad principal en el cuadro superior.
  - Conecte el otro extremo del cable 2 a la interfaz de entrada del módulo secundario 1. Conecte un extremo del módulo secundario 1 e insértelo en el cuadro medio.
  - Conecte el otro extremo del cable 3 a la interfaz de entrada del módulo secundario 2. Insértelo en el cuadro inferior.
  - Fije la tapa y la unidad principal con 2 tornillos hexagonales utilizando una llave Allen.

### ★ Montaje en superficie de tres módulos

- Pegue el adhesivo de montaje 1 en la pared. Asegúrese de colocar el adhesivo de forma horizontal con el nivel. Taladre 4 orificios en lo s agujeros para los tornillos del adhesivo.
  - Nota: el tamaño aconsejado para el orificio es de 6 mm (diámetro) × 25 mm (profundidad). La longitud aconsejada para los cables que quedan fuera es de 270 mm.
- Retire el adhesivo e inserte los tacos de expansión en los orificios de los tornillos. Fije el marco de montaje en la pared con los 4 tornillos de expansión.
- Pase la línea de conexión de módulo por los agujeros del marco. Pase la línea de conexión de la unidad principal por el agujero hasta el cuadro superior y conecte los cables.
- Conecte las líneas y la línea de conexión de módulo 1 a las interfaces correspondientes de la unidad principal, luego coloque la unidad principal en el cuadro superior.
- Conecte el otro extremo de la línea de conexión de módulo 1 a la interfaz de entrada de los módulos secundarios a través de la línea de conexión de módulo 2.
- Organice los cables con el sujetacables incluido.
- Inserte los módulos en el marco tras completar el cableado. La unidad principal debe colocarse en el cuadro superior.
- Utilice la llave Allen incluida para fijar la tapa en el marco.

NEDERLANDS
Schemaverwijzingen

HRVATSKI
Grafički prikazi

1 Izgled
<span></span>

Opmerking: De interface die wordt gebruikt voor het aansluiten van de modules op andere functiemodules, zoals naamplaatjesmodule, toetsenpaneelmodule, kaartlezermodule enz. Al deze modules (behalve de hoofdeenheid) staan bekend als submodules.

### 2 Aansluitklem

Opmerking: De omschrijving van de bedrading verwijst naar de gebruiksaanwijzing.

### 3 Installatie

Opmerking: De module video-ntercom deurstation ondersteunt installatie van één twee, drie en meer dan drie modules. In dit voorbeeld wordt de installatie met drie modules gebruikt.

**Voordat u begint:**

- Gereedschap dat u nodig hebt voor de installatie: Boor (ø6), kruisschroevendraaier (PH1 \* 150 mm) en hoekmeter.
- Probeer ervoor dat alle gereelateerde apparatuur uitgeschakeld is.
- Zorg ervoor dat u de adressen van de submodules vóór de installatie hebt geconfigureerd. Het geldige adresbereik voor submodules is 1 t/m 8. Het nummer moet uniek zijn voor submodules die op dezelfde hoofdeenheid zijn aangesloten. Het adres van de submodule en de overeenkomstige schakelstatus wordt in de afbeelding getoond.

### ★ Verzonken bevestiging drie modules

- Vorm de installatieopening en trek de kabel naar buiten.
  - Opmerking: De aanbevolen afmetingen van de opening voor de installatie is 321,8 (b) × 108 (h) × 45,5 (d) mm. De aanbevolen lengte van de uitstekende kabels is 270 mm.
- Selecteer een kabelinvoer en verwijder het kunststof plaatje. Voer de kabels door het gat van de inbouwdoos. Plaats de inbouwdoos in de installatieopening. Markeer de positie van de schroefgaten van de inbouwdoos met een markeerstift en verwijder de inbouwdoos.
- Boor 4 gaten volgens de markeringen op de wand en steek de pluggen in de schroefgaten. Bevestig de inbouwdoos met4 pluggen.
- Vul de opening tussen de inbouwdoos en de wand met beton of siliconenkit. Verwijder na het drogen van het beton de bevestigingslippen met gereedschap.
- Sluit de kabels aan en plaats de modules.
  - Sluit kabel 1 en één eind van kabel 2 aan op de overeenkomstige interfaces van de hoofdeenheid en plaats dan de hoofdeenheid in het bovenste raster.
  - Sluit het andere eind van kabel 2 aan op de ingangssinterface van submodule 1. Sluit één eind van submodule 1 aan en plaats hem in het middelste raster.
  - Sluit het andere eind van kabel 3 aan op de ingangssinterface van submodule 2. Plaats hem in het onderste raster.
  - Bevestig de afdekking en de hoofdeenheid met 2 inbus Schroeven en een inbusluetel.

### ★ Oppervlaktebevestiging drie modules

- Plak installatiesticker 1 op de wand. Zorg ervoor dat de sticker horizontaal wordt geplaatst door dit met de hoekmeter te meten. Boor 4 gaten volgens de schroefgaten op de sticker.
  - Opmerking: De aanbevolen maat van het gat is 6 (diameter) × 25 (diepte) mm. De aanbevolen lengte van de uitstekende kabels is 270 mm.
- Verwijder de sticker en steek de pluggen in de schroefgaten. Bevestig het bevestigingsframe met 4 pluggen aan de wand.
- Voer de lijn voor het verbinden van de modules door de draaddoorvoeren van het frame. Voer de verbindingsleiding van de hoofdeenheid door de kabelinvoer naar het bovenste raster en sluit de kabels aan.
- Sluit de lijnen en lijn 1 voor aansluiten van de modules aan op de overeenkomstige interfaces van de hoofdeenheid en plaats dan de hoofdeenheid in het bovenste raster.
- Sluit het andere eind van lijn 1 voor aansluiten van de modules via lijn 2 voor aansluiten van de modules aan op de ingangssinterface van de submodules.
- Sluit de kabels vast met kabelbinders uit het pakket.
- Plaats de modules na het bedraken in het frame. De hoofdeenheid moet in het bovenste raster worden geplaatst.
- Gebruik de inbusluetel in het pakket om de afdekking op het frame te bevestigen.

DEUTSCH
Verweise auf Schaubilder

## 1 Optik

Hinweis: Die Modulverbindungsschnittstelle wird verwendet, um andere Funktionsmodule wie das Namensschildmodul, Tastenmodul, Kartenlesemodul usw. anzuschließen. Alle diese Module werden als Untermodul bezeichnet.

### 2 Anschlussklemmen

Hinweis: Die Beschreibung der Verkabelung bezieht sich auf das Benutzerhandbuch.

### 3 Installation

Hinweis: Das Türstation-Video-Gegensprechmodul unterstützt die Montage mit Einfachmodul, Zweifachmodul, Dreifachmodul und mit mehr als drei Modulen. Hier als Beispiel die Montage mit Dreifachmodul.

**Bevor Sie beginnen:**

- Werkzeuge, die Sie für die Montage vorbereiten müssen: Bohrer (ø6), Kreuzschlitz-Schraubendreher (PH1 x 150 mm) und Wasserwaage.
- Achten Sie darauf, dass die Geräte während der Montage ausgeschaltet sind.
- Achten Sie darauf, dass Sie die Untermoduladresse vor der Installation konfiguriert haben. Der gültige Adressbereich des Untermoduls liegt zwischen 1 und 8. Die Nr. der Untermodule, die an dieselbe Hauptheit angeschlossen wurden, muss eindeutig sein. Die Untermoduladresse und der entsprechende Schalterstatus sind in der Abbildung dargestellt.

### ★ Dreifachmodul-Unterputzmontage

- Stemmen Sie die Montageöffnung aus und ziehen Sie das Kabel heraus.
  - Hinweis: Die vorgeschlagenen Abmessungen der Montageöffnung betragen 321,8 (B) × 108 (H) × 45,5 (T) mm. Die empfohlene Kabellänge außerhalb beträgt 270 mm.
- Wählen Sie einen Kabeleintritt und entfernen Sie die Kunststoffplatte. Führen Sie die Kabel durch die Öffnung der Anschlüsse. Setzen Sie die Anschlüsse in die Montageöffnung ein. Markieren Sie die Position der Schraubenlöcher der Anschlüsse mit einem Marker. Nehmen Sie die Anschlüsse wieder heraus.
- Bohren Sie 4 Löcher gemäß den Markierungen an der Wand und setzen Sie die Dehnhülsen in die Schraubenlöcher ein. Befestigen Sie die Anschlüsse mit 4 Dehnschrauben.
- Füllen Sie den Spalt zwischen Anschlüsse und Wand mit Beton- oder Silikonichtmittel. Entfernen Sie die Montagehalterungen mit einem Werkzeug, nachdem der Beton hart ist.
- Schließen Sie die Kabel an und setzen Sie die Module ein.
- Schließen Sie Kabel 1 und ein Ende von Kabel 2 an die entsprechenden Schnittstellen der Haupteinheit an und setzen Sie die Haupteinheit in das obere Raster ein.
- Schließen Sie das andere Ende des Kabels von Kabel 2 an die Eingangsschnittstelle von Untermodul 1 an. Schließen Sie ein Ende des Kabels von Untermodul 1 an und setzen Sie es in das mittlere Raster ein.
- Schließen Sie das andere Ende von Kabel 3 an die Eingangsschnittstelle von Untermodul 2 an. Setzen Sie es in das untere Raster ein.
- Befestigen Sie die Abdeckung und die Haupteinheit mit 2 Innen-Sechskantschrauben und einem Innen-Sechskantschlüssel.

### ★ Dreifachmodul-Aufputzmontage

- Kleben Sie Bohrschablone 1 an die Wand. Stellen Sie sicher, dass die Schablone durch Messung mit der Wasserwaage waagrecht platziert wurde. Bohren Sie 4 Löcher entsprechend den Schraubenlöchern auf der Schablone.
  - Hinweis: Die empfohlene Bohrlochgröße beträgt 6 (Durchmesser) × 25 (Tiefe) mm. Die empfohlene Länge der Kabel außerhalb beträgt 270 mm.
- Entfernen Sie die Schablone und stecken Sie die Dehnhülsen in die Schraubenlöcher. Befestigen Sie den Montagegerahmen mit 4 Dehnschrauben an der Wand.
- Führen Sie die Modulverbindungsleitung durch die Gewindelöcher des Rahmens. Führen Sie die Verbindungsleitung der Haupteinheit durch das Gewindeloch zum oberrn Raster und schließen Sie die Kabel an.
- Verbinden Sie die Leitungen und Modulverbindungsleitung 1 mit den entsprechenden Schnittstellen der Haupteinheit und platzieren Sie die Haupteinheit im oberen Raster.
- Verbinden Sie das andere Ende der Modulverbindungsleitung 1 über Modulverbindungsleitung 2 mit der Eingangsschnittstelle der Untermodule.
- Ordnen Sie die Kabel mit Kabelbindern aus der Verpackung.
- Setzen Sie die Module nach der Verlabelung in den Rahmen ein. Die Haupteinheit muss im oberen Raster eingesetzt werden.
- Befestigen Sie die Abdeckung mit dem mitgelieferten Innen-Sechskantschlüssel am Rahmen.

HRVATSKI
Grafički prikazi

### 1 Izgled

Napomena: Sučelje koje povezuje module koristi se za povezivanje s modulima drugih funkcija, kao što su modul kartice s imenom, modul tipkovnice, modul čitača kartica itd. Svi su ti moduli poznati kao podmoduli.

### 2 Terminal

Napomena: Opis ožičenja odnosi se na korisnički priručnik.

### 3 Postavljanje

Napomena: Stanica za vrata s modulom videointerfona podržava postavljanje jednog modula, postavljanje dvaju modula, post





