

DHI-DAE-CDMS8113-GFW

All-in-one Active Deterrence Camera



System Overview

The all-in-one DSM camera adopts a lightweight design, which integrates video, recording, storage, intelligence and platform linkage. It has a built-in 720P lens with IR and supports external 3 channels of analog video input at the same time. With deep learning algorithm, various intelligent functions including DSM, face recognition, ADAS and BSD can be realized.

Functions

Built-in GPS

Built-in GPS realizes the GPS information display and video record.

Built-in Wi-Fi Module

The module supports two work modes of Wi-Fi connection and AP hotspot.

Built-in 3G/4G Module

The module supports FDD, TDD, WCDMA, GSM.

Highlights

- Up to 720P resolution
- Supports 3 external CVI/AHD cameras input
- Built-in GPS, 3G/4G and Wi-Fi modules
- Supports TF card storage and recording overwrite, up to 256 GB
- Built-in G-sensor supports Rollover and Collision status detections
- Supports 4 channels I/O alarm input and 1 channel alarm output
- Supports drivers' identity authentication (face recognition)
- Supports DSM, including smoking, calling, yawning, distracted driving, leaving position and unfastening seat belt
- Supports ADAS, including forward collision and lane departure warnings (require external camera)
- Supports blind spot detection (require external camera)



Technical Specification

Camera

Image Sensor	1/4 inch CMOS
Max. Resolution	1280 (H) × 720 (V)
Electronic Shutter Speed	NTSC: 1/30 s–1/10,000 s PAL: 1/25 s–1/10,000 s

Lens

Focal Length	3.89 mm
Aperture	F1.12
Field of View	D: 65.1° H: 55.6° V: 35.1°
IR Illumination	940 nm

Video

Main stream	CH1–CH4: 720P/960H/D1/CIF
Sub-stream	CH1–CH4: D1/CIF
Video Compression	H.264/H.265
Frame Rate	25/30 fps
BLC	Yes
HLC	Yes
Gain Control	Auto
Noise Reduction	2D/3D NR

Audio

Built-in Speaker	1 channel speaker output
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Alarm

Alarm Input	4
Alarm Output	1

Port

RJ45	1 100-Mbps RJ45 network port
USB	1 micro USB, USB 2.0
RS-485	1
RS-232	1
CAN	1
Storage	1 TF card, max. 256 GB

Indicator Light

Indicator Light	1 indicator light indicates the status of record, GPS and 4G.
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Vehicle Detection

G-sensor	Supports rollover and collision status detection.
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Network

GPS	Built-in GPS module can realize the function of display and video recording of GPS information.
Wi-Fi	Built-in Wi-Fi module supports Wi-Fi and AP.
3G/4G	Supports EVDO, WCDMA, TD-LTE, FDD-LTE.

Intelligent Analysis

Face Recognition	Face capture, face comparison.
DSM	Supports driver behavior analysis such as fatigue driving, distracted driving, smoking, calling, unfastening seat belt and leaving the seat.
ADAS	Supports early warnings of forward collision and lane departure.
BSD	Supports blind spot detection.

General

Power Supply	7 V–36 V DC
Power Consumption	≤ 12 W

Environment

Operating Conditions	–20°C to +70°C (–4°F to +158°F)
Operating Humidity	< 95% (RH, non-condensing)
Ingress Protection	IP52

Construction

Package Dimensions	228.0 mm × 190.0 mm × 160.0 mm (9.0" × 7.5" × 6.3")
Product Dimensions	108.9 mm × 100.1mm × 102.3 mm (4.3" × 3.9" × 4.0")
Gross Weight	520.0g (1.2 lb)
Casing	Plastic, metal

Dimensions (mm [inch])

