DH-IPC-HUM8531M-V-LED

5MP Macro Meter Reading Network Camera



Series Overview

Dahua Pinhole series network camera includes one-in-all camera and separated camera. Separated camera can work with different lens to meet the requirements in different installation scenes. Pinhole Series camera is widely applied in hidden or small scenes such as banks and advertising screen.

Functions

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection technology triggers alarm or records.

WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

IP67

The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

- 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 5 MP (2560 × 1920)@30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light that assists the camera with color rendition.
- Light filtering system that effectively reduces the reflection of light by mirrors to deliver clear images.
- The focus is adjustable and the device is easy to install. It can clearly see the instrument panel when the distance is above 5 cm. We recommend installing the device5-50 cm away from the instrument panel to have a clear view of it.
- Glass heating: Quickly removes water, ice, snow and mist from the glass to keep images clear.
- Abnormality detection: Motion detection, video tampering, audio detection, SD card full, SD card error, network disconnection, IP conflict and illegal access.
- Supports max. 256 G Micro SD card; built in MIC.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.



Pinhole Series | DH-IPC-HUM8531M-V-LED

Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Max. Resolution	2560 (H) × 1920 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.02 lux@F2.0 (Color, 30 IRE) 0.0002 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	0.5 m (1.64 ft)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (Warm light)

Lens

Lens Type	Fixed-focal			
Lens Mount	M8			
Focal Length	3.6 mm			
Max. Aperture	F2.0			
Field of View	H: 79.6°; V: 63.8°; D: 93.4°			
Iris Control	Fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	60.0 m (196.85 ft)	24.0 m (78.74 ft)	12.0 m (39.37 ft)	6.0 m (19.96 ft)

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 2560 × 1920@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)
Stream Capability	2 streams
Resolution	5M (2560 × 1920); 4M (2688 × 1520);4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 32 kbps–8192 kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	G.711a;G.711Mu; G.726; PCM

Alarm

Alarm Event	SD card error; SD card full; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception

Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE;
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI;Milestone
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE; Chrome; Firefox
Management Software	DSS; DMSS
Mobile Client	iOS; Android
Cyber Security	Configuration encryption; trusted execution; digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification

Power

Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.2 W (12 VDC); 2.5 W (PoE) Max. (H.265+ warm light + WDR + motor driving+ glass heating): 5 W (12 VDC); 5.8 W (PoE)

Environment

Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Operating Humidity	≤95%

Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Protection	IP67

Structure

Casing Material	Metal
Product Dimensions	66 mm × 65 mm × 31.6 mm (2.60" × 2.56" × 1.24") (L × W × H)
Net Weight	166 g (0.37 lb)
Gross Weight	398 g (0.88 lb)

Ordering Information

Type	Model	Description
5MP Camera	DH-IPC-HUM8531MP-V-LED-0360B	5MP Macro Meter Reading Network Camera
Accessories (Optional)	PFM321D	12 VDC 1A Power Adapter
	PFM900-E	Integrated Mount Tester
	TF-P100	MicroSD Memory Card

Accessories

Optional:



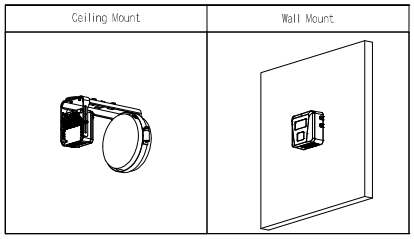
PFM900-E
Integrated Mount Tester



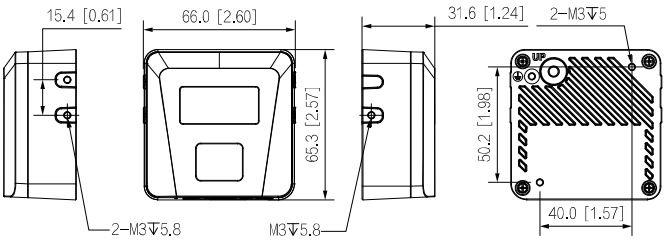
TF-P100
MicroSD Memory Card



PFM321D
12 VDC 1A Power Adapter



Dimensions (mm[inch])



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