DHIPD80/28LRG-MS

8MP IP Smart Dual Illumination Turret Camera

COLOURNIGHT 2.0 SMART DUAL ILLUMINATION

ACTIVE DETERRENCE LITE

SPEAKER Built-in

AI PRO ARTIFICIAL INTELLIGENCE

TWOWAYAUDIO

8 MEGAPIXEL | 2.8 MM | 30m LED | 30m IR | MICROPHONE | IP67

AUDIO OVER CAT5e CABLE

ONVIF

Key Features:

- H.265
- 8 Megapixel
- 2.8mm Fixed Lens
- Microphone built-in
- Speaker / Siren built-in
- Classification of Human & Vehicle
- Warm Light Range: Up to 30m
- IR range: Up to 30m
- Two-way-Audio
- Perimeter Protection
- SMD+
- 120dB WDR
- Metal Housing
- IP67 Waterproof
- DC12V/POE

SPECIFICATIONS

Model Number	DHIPD80/28LRG-MS
Image Sensor	1/2.7" CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive

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Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.008 lux@F1.6 (Colour, 30 IRE); 0.0008 lux@F1.6 (B/W, 30 IRE); 0 lux (Illuminator on)
S/N Ratio	＞56 dB
Illumination Distance	30 m (98.43 ft) (IR); 30 m (98.43 ft) (Warm light)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED); 1 (Warm light)
Pan/Tilt/Rotation Range	Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360°
Lens	
Lens Type	Fixed focal
Mount Type	M12
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View	H: 111°; V: 58°; D: 132°
Iris Type	Fixed
Close Focus Distance	2.8 mm: 1.0 m (3.28 ft)
DORI Distance	**Detect:** 84.8 m | **Observe:** 33.9 m | **Recognise:** 17.0 m | **Identify:** 8.5 m
Intelligence	
IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
SMD	SMD Plus
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: 3840 × 2160@(1–20 fps)/2688 ×1520@(1–25fps) sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–25fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.

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Stream Capability	2 streams
Resolution	3840×2160; 3072×2048;3072×1728; 2880×1620; 2688×1520; 3M (2048 × 1536); 2304×1296 (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: 12 kbps–8192 kbps
Day/Night	Auto(ICR) / Colour / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Smart LED	Yes
Image Rotation	0°/ 90°/ 180°/ 270° (Support 90° / 270° with 2688×1520 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu; PCM; G.726
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception
Network	
Network	RJ-45 (10/100 Base-T)

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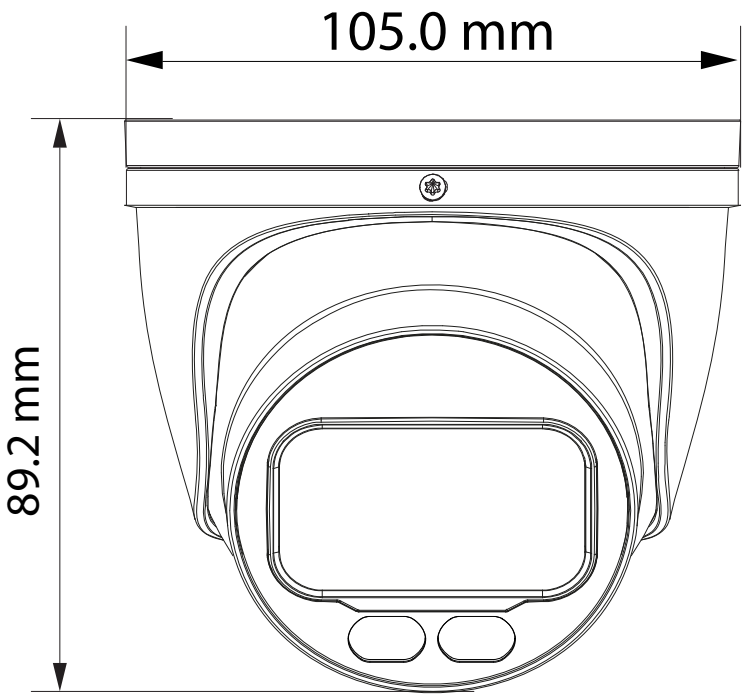
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; NFS; P2P; auto registration
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone;
User/Host	20 (Total bandwidth: 48 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE, Chrome, Firefox
Management Software	Smart PSS Lite; DMSS;
Mobile Phone	iOS & Android
Cyber Security	Digest;WSSE;Account lockout;Security logs;IP/MAC filtering;Generation and importing of X.509 certification;syslog;HTTPS;802.1x;Trusted boot;Trusted execution;Trusted upgrade
Certification	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Power	
Power Supply	12 VDC; PoE (802.3af)
Power Consumption	Basic: 2.5 W (12 VDC); 3.4 W (PoE); Max.: 6.7 W (12 VDC); 7.5 W (PoE) (H.265 + intelligence on+ WDR + illuminator intensity)
General	
Operating Temperature	–40 °C to +55 °C (–40 °F to +131 °F)
Operating Humidity	≤95%
Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Storage Humidity	≤95%
Protection	IP67
Casing Material	Metal
Product Dimensions	89.2 mm × Φ105 mm
Net Weight	0.39 kg (0.86 lb)
Gross Weight	0.57 kg (1.26 lb)

Dimensions (mm[inch])