

SPRO®

DHIPQ80/36LRW-M

SPRO 8MP IP Smart Dual Illumination
Bullet with COLOUR NIGHT 2.0



8 MEGAPIXEL



3.6 mm



IP67



ARTIFICIAL
INTELLIGENCE



AUDIO

OVER CAT5e CABLE

COLOUR NIGHT 2.0

SMART DUAL ILLUMINATION

Key Features:

- 8 megapixel
- H.265
- 3.6mm Lens
- Up to 50m white light distance
- Up to 60m IR distance (smart LED)
- SMD Plus (Smart motion detection)
- Intrusion (human & vehicle classification)
- Tripwire (human & vehicle classification)
- Microphone built-in (AOC)
- Support up to 256GB micro SD card
- Alarm : 1 in & 1 out
- 120dB WDR
- IP67 waterproof
- DC 12V/POE



SPECIFICATIONS

Model Number	DHIPQ80/36LRW-M
Image Sensor	1/2.7" CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual 1/3 s-1/100,000 s
Min. Illumination	0.008 Lux@F1.6 (Colour, 30 IRE) 0.0008 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)

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S/N Ratio	>56 dB
Illumination Distance	up to 60 m (195.85 ft) (IR) up to 50 m (164.04 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	2 (IR LED); 2 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° - Tilt: 0°–90° - Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	3.6mm
Max. Aperture	1.6
Field of View	3.6 mm: H: 87°; V: 49°; D: 100°
Iris Control	Fixed
Close Focus Distance	3.6 mm: 1.9 m (6.23 ft)
DORI Distance	Detect: 98.7 m (350.07 ft) Observe: 39.5 m (129.59 ft) Recognise: 19.7 m (64.63 ft) Identify: 9.9 m (32.48 ft)

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

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@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps) / 704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	2 streams

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Resolution	3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 × 2048); 3072 × 1728 (3072 × 1728); 2880 × 1620 (2880 × 1620); 2688 × 1520 (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 Illumination	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
Audio Compression	G.711a; G.711Mu; G.726; PCM
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; external alarm

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; Bonjour; P2P
Interoperability	ONVIF (Profile S/Profile T/Profile G); CGI
User/Host	20 (Total bandwidth: 48 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB)
Management Software	DMSS
Browser	IE; Chrome; Firefox
Mobile Client	iOS; Android
Cyber Security	Video encryption; firmware encryption; configuration encryption; 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 FCC: 47 CFR FCC Part 15, Subpart B UL/CUL:UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
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Port

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5 mA 3-5VDC
Alarm Output	1 channel out: 300 mA 12 VDC

Power

Power Supply	12VDC/PoE (802.3af)
Power Consumption	Basic: 2.6 W (12 VDC); 3.4 W (PoE) Max. (H.265+ max. resolution + max. stream+ WDR + illuminator intensity + IVS): 7 W (12 VDC); 8.3 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)

Storage Humidity ≤95%

Protection IP67

Anti-corrosion Level Low

Structure

Casing Material Metal

Product Dimensions 238.5 mm × 90.7 mm × 90.7 mm (9.39" × 3.57" × 3.57") (L × W × H)

Net Weight 0.72 kg (1.59 lb)

Gross Weight 0.97 kg (2.14 lb)

Dimensions (mm[inch])

