

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

## Lens

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

## Intelligence

<b>IVS (Perimeter Protection)</b>	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
<b>Smart Search</b>	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

## Video

<b>Video Compression</b>	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
<b>Smart Codec</b>	Smart H.265+; Smart H.264+
<b>Video Frame Rate</b>	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.
<b>Stream Capability</b>	2 streams

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<b>Resolution</b>	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)
<b>Bit Rate Control</b>	CBR/VBR
<b>Video Bit Rate</b>	H.264: 32 kbps–8192 kbps H.265: 12 kbps–8192 kbps
<b>Day / Night</b>	Auto(ICR) / Colour / B/W
<b>BLC</b>	Yes
<b>HLC</b>	Yes
<b>WDR</b>	120 dB
<b>White Balance</b>	Auto; natural; street lamp; outdoor; manual; regional custom
<b>Gain Control</b>	Auto; Manual
<b>Noise Reduction</b>	3D NR
<b>Motion Detection</b>	OFF/ON (4 areas, rectangular)
<b>Region of Interest (ROI)</b>	Yes (4 areas)
<b>Smart Illumination</b>	Yes
<b>Image Rotation</b>	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
<b>Mirror</b>	Yes
<b>Privacy Masking</b>	4 areas
<b>Audio</b>	
<b>Built-in MIC</b>	Yes
<b>Audio Compression</b>	G.711a; G.711Mu; G.726; PCM
<b>Alarm</b>	
<b>Alarm Event</b>	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**

<b>Network Port</b>	RJ-45 (10/100 Base-T)
<b>SDK and API</b>	Yes
<b>Network Protocol</b>	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
<b>Interoperability</b>	ONVIF (Profile S/Profile T/Profile G); CGI
<b>User/Host</b>	20 (Total bandwidth: 48 M)
<b>Storage</b>	FTP; SFTP; Micro SD card (support max. 256 GB)
<b>Management Software</b>	DMSS
<b>Browser</b>	IE; Chrome; Firefox
<b>Mobile Client</b>	iOS; Android
<b>Cyber Security</b>	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**

<b>Certifications</b>	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**

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

**Power**

<b>Power Supply</b>	12VDC/PoE (802.3af)
<b>Power Consumption</b>	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])**

