

**SPRO**<sup>®</sup>**IP**

# DHIPQ80/ALRW-M

8MP IP Motorised Lens Bullet Camera



**COLOURNIGHT 2.0**  
SMART DUAL ILLUMINATION

**AI**<sup>PRO</sup>  
ARTIFICIAL  
INTELLIGENCE



**AUDIO**  
OVER CAT5e CABLE

**ONVIF**

### Key Features:

- H.265
- 8 Megapixel
- 2.7 mm-13.5 mm Motorised Lens
- Microphone built-in
- Classification of Human & Vehicle
- Warm Light Range: Up to 60m
- IR range: Up to 60m
- Perimeter Protection
- SMD+
- 120dB WDR
- Metal Housing
- IP67 Waterproof
- 12 VDC / POE



## SPECIFICATIONS

Model Number	DHIPQ80/ALRW-M
Image Sensor	1/2.7" CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive

(continued)

<b>Electronic Shutter Speed</b>	Auto/Manual 1/3 s–1/100000 s
<b>Min. Illumination</b>	0.008 lux@F1.5 (Colour, 30 IRE) 0.0008 lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)
<b>S/N Ratio</b>	>56 dB
<b>Illumination Distance</b>	Up to 60 m (196.85 ft) (IR); Up to 60 m (196.85 ft) (Warm light)
<b>Illuminator On/Off Control</b>	Auto/Manual
<b>Illuminator Number</b>	4 (Multi-core (IR + warm) light)
<b>Pan/Tilt/Rotation Range</b>	Horizontal: 0°–360°; vertical: 0°–90°; rotation: 0°–360°

### Lens

<b>Lens Type</b>	Motorised vari-focal
<b>Lens Mount</b>	φ14
<b>Focal Length</b>	2.7 mm–13.5 mm
<b>Max. Aperture</b>	F1.5
<b>Field of View</b>	H: 114°–32°; V: 58°–17°; D: 138°–36°
<b>Iris Type</b>	Fixed
<b>Close Focus Distance</b>	0.8 m (2.62 ft)
<b>DORI Distance</b>	<b>W Detect:</b> 85.3m   <b>Observe:</b> 34.1m   <b>Recognise:</b> 17.1m   <b>Identify:</b> 8.5m <b>T Detect:</b> 280m   <b>Observe:</b> 112m   <b>Recognise:</b> 56m   <b>Identify:</b> 28m

### 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
<b>SMD</b>	SMD Plus

### 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 fps) 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.

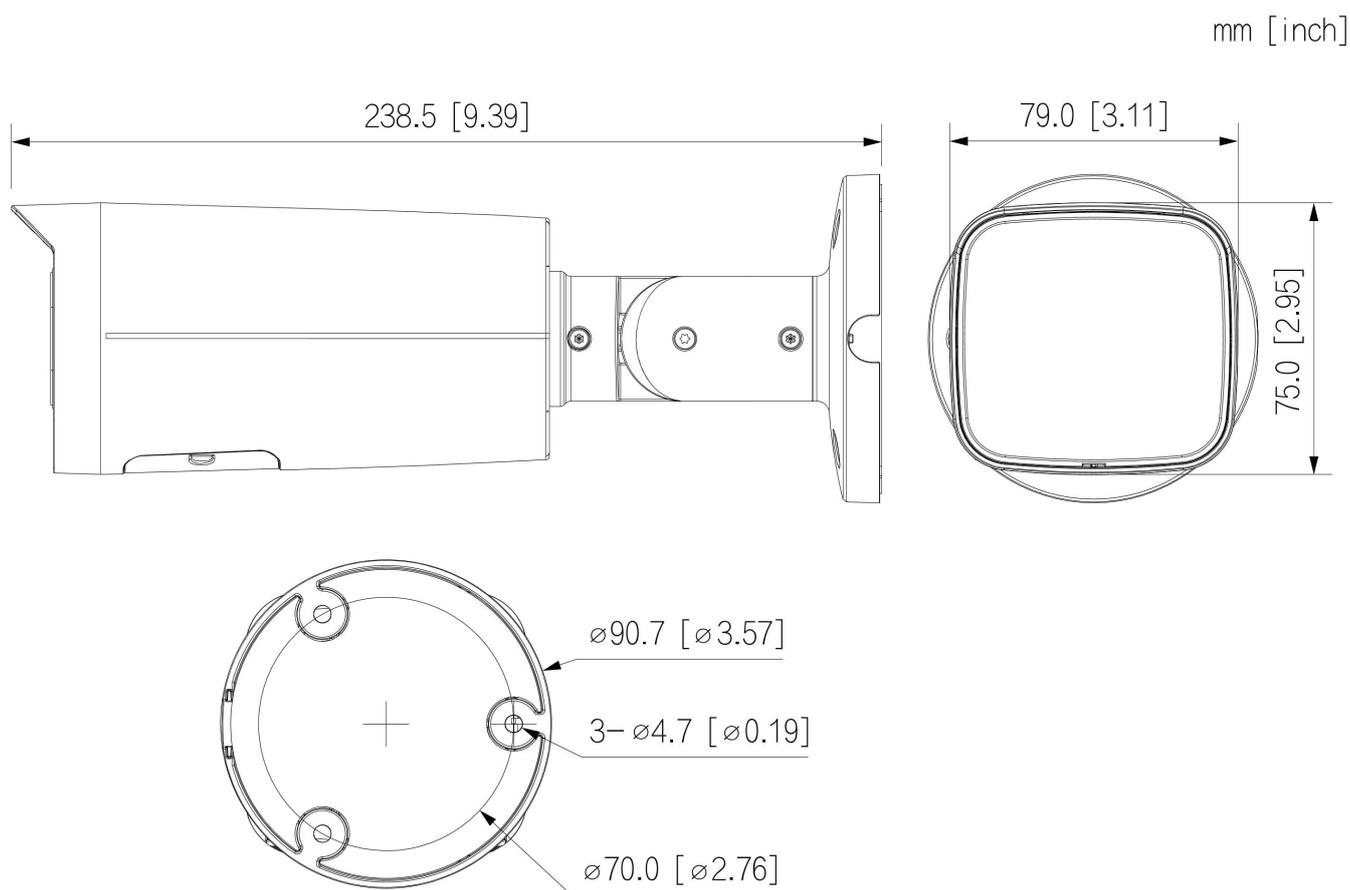
<b>Stream Capability</b>	2 streams
<b>Resolution</b>	8M (3840×2160); 6M (3072×2048); 5M (3072×1728); 4M (2880×1620/2688×1520); 3M (2048×1536/2304×1296); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720); D1 (704×576/704×480); VGA (640×480); CIF (352×288/352×240)
<b>Bit Rate Control</b>	VBR;CBR
<b>Video 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 LED</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; PCM; G.726
<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
<b>Network</b>	
<b>Network</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; NTP; Multicast; ICMP; IGMP; NFS; P2P; auto registration
<b>Interoperability</b>	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone;
<b>User/Host</b>	20 (Total bandwidth: 48 M)
<b>Storage</b>	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
<b>Browser</b>	IE, Chrome, Firefox
<b>Management Software</b>	Smart PSS Lite; DMSS;
<b>Mobile Phone</b>	iOS & Android
<b>Cyber Security</b>	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
<b>Certification</b>	
<b>Certifications</b>	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
<b>Power</b>	
<b>Power Supply</b>	12 VDC; PoE (802.3af)
<b>Power Consumption</b>	Basic: 2.6 W (12 VDC), 3.1 W (PoE); Max.: 10.2 W (12 VDC), 12.7 W (PoE) (H.265 + intelligence on+ WDR + warm light intensity)
<b>Port</b>	
<b>Audio Input</b>	1 channel (RCA port)
<b>Audio Output</b>	1 channel (RCA port)
<b>Alarm Input</b>	1 channel in: wet contact, 5 mA 3–5 VDC
<b>Alarm Output</b>	1 channel out: wet contact, 300 mA 12 VDC

## General

<b>Operating Temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Operating Humidity</b>	≤95%
<b>Storage Temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Storage Humidity</b>	≤95%
<b>Protection</b>	IP67
<b>Casing Material</b>	Metal
<b>Product Dimensions</b>	238.5 mm × 90.7 mm × 90.7 mm (9.39" × 3.57" × 3.57") (L × W × H)
<b>Net Weight</b>	0.76 kg (1.68 lb)
<b>Gross Weight</b>	0.95 kg (2.09 lb)

## Dimensions (mm[inch])



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