**LUXRITE**®
SECURITY YOU CAN TRUST

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# SPRO IP

# DHIPQ80/28LRW-MS

## 8MP IP Smart Dual Illumination bullet Camera

**COLOURNIGHT 2.0** SMART DUAL ILLUMINATION

**ACTIVE DETERRENCE LITE**

**SPEAKER** Built-in

**AI PRO** ARTIFICIAL INTELLIGENCE

**TWO WAY AUDIO**

| 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

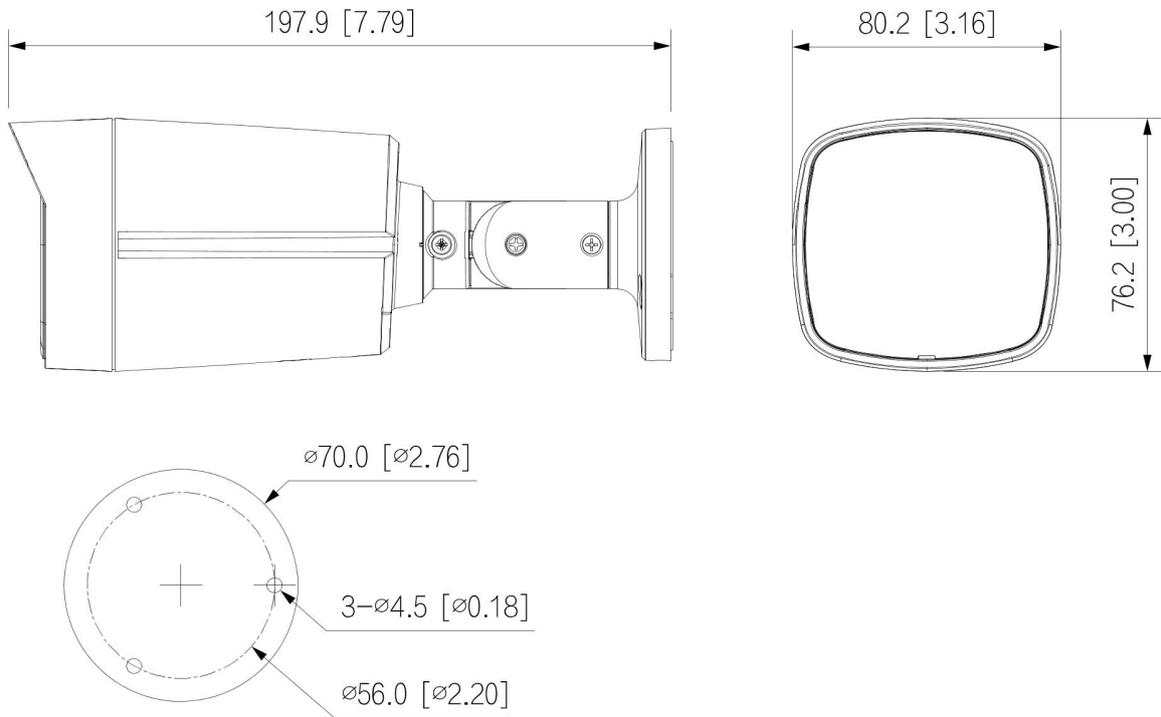| | |
|---|---|
| **Model Number** | DHIPQ80/28LRW-MS |
| **Image Sensor** | 1/2.7" CMOS |
| **Effective Pixels** | 3840 (H) × 2160 (V) |
| **ROM** | 128 MB |
| **RAM** | 256 MB |
| **Scanning System** | Progressive |

(continued)

| | |
|---|---|
| **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°–90°; 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: 1.5 m (4.92 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. |

| | |
|---|---|
| **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<br>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) |

| | |
|---|---|
| **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%, non-condensing |
| **Storage Temperature** | −40 °C to +60 °C (−40 °F to +140 °F) |
| **Storage Humidity** | ≤95%, non-condensing |
| **Protection** | IP67 |
| **Casing Material** | Metal |
| **Product Dimensions** | 198.9 mm × 80.2 mm × 76.2 mm (7.83" × 3.16" × 3.00") (L × W × H) |
| **Net Weight** | 0.54 kg (1.19 lb) |
| **Gross Weight** | 0.68 kg (1.50 lb) |

mm [inch]

197.9 [7.79]

80.2 [3.16]

76.2 [3.00]

⌀70.0 [⌀2.76]

3-⌀4.5 [⌀0.18]

⌀56.0 [⌀2.20]

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