LUXRITE®
SECURITY YOU CAN TRUST

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SPRO iP

DHIPQ40/ARW/60-M-I

4 MEGAPIXEL IP BULLET CAMERA WITH STARLIGHT TECHNOLOGY

- 4 MEGAPIXEL
- 2.7 - 13.5MM
- 60m IR
- IP67

AOC — AUDIO OVER CAT5e
AI PRO — ARTIFICIAL INTELLIGENCE
SMD+ — Smart Motion Detection Plus
STARLIGHT
INTRUSION
TRIPWIRE
ONVIF

Key Features:

- 4 Megapixel progressive scan CMOS
- Motorised Lens : 2.7-13.5mm
- 25fps@4MP (2560 × 1440),20fps@4M(2688 x 1520)
- Starlight Technology
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Supports up to 256GB micro SD card
- Max. IR LEDs Length 60m
- IP67 waterproof
- DC 12V / PoE

SPECIFICATIONS

Model Number	DHIPQ40/ARW/60-M-I
Image Sensor	1/2.9" CMOS
Effective Pixels	2688 (H) × 1520 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.008 Lux@F1.5; 0.0008lux@F1.5 (B/W, 30 IRE); 0 lux (Illuminator on)
IR Distance	60 m (196.85 ft) (IR LED)
IR On/Off Control	Auto/Manual
IR LEDs Number	4 (IR LED)

(continued)

Pan/Tilt/ Rotation Range	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°
S/N Ratio	>56 dB

Lens

Lens Type	Motorized vari-focal
Lens Mount	φ14
Focal Length	2.7 mm–13.5 mm
Max Aperture	F1.5
Angle of View	Horizonal: 104°–29° × Vertical: 54°–16° × Diagonal: 125°–34°
Iris Control	Fixed
Close Focus Distance	0.8 m

DORI Distance	Detect	Observe	Recognize	Identify
	64.0 m	25.6 m	12.8m	6.4m

Intelligence

IVS	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 mergin to event videos

Video

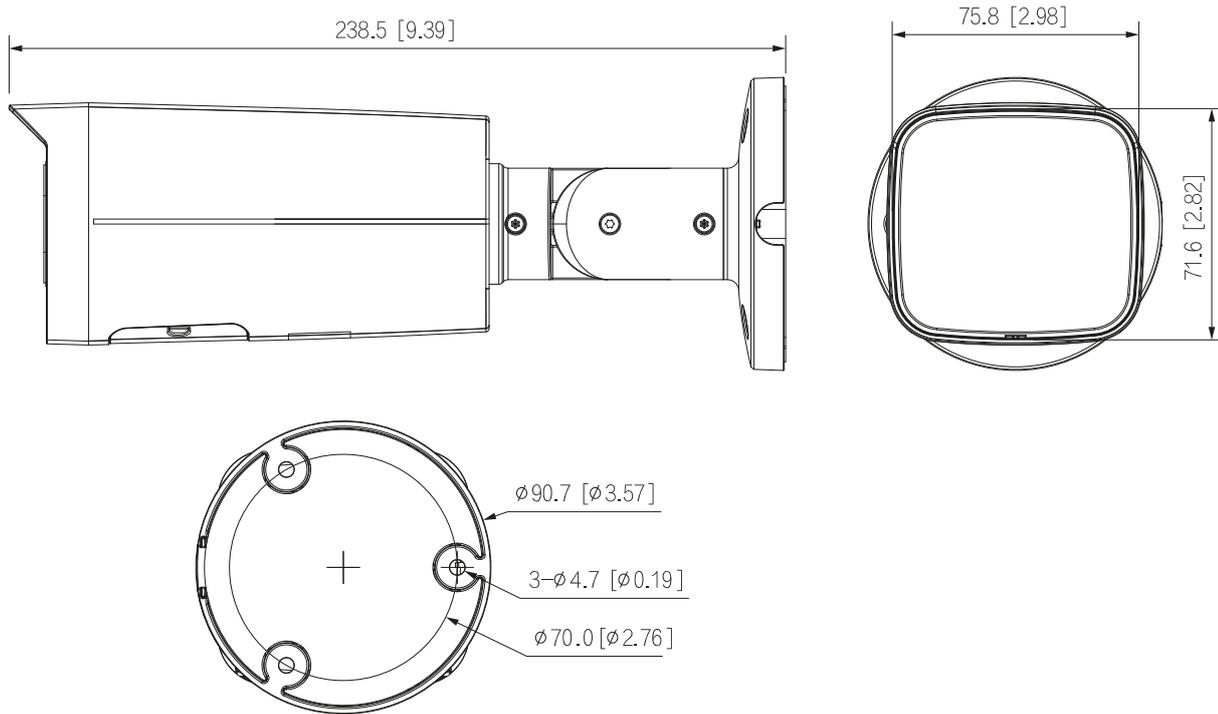|	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 2688 × 1520@(1–20 fps)/2560 × 1440@(1-25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	2 Streams
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 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–6144 kbps; H.265: 12 kbps–6144 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Manual;Auto
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; defocus detection; external alarm (Om;y-ZAS supports); SMD; security exception
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; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Milestone
User/Host	6 (Total bandwidth: 36M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB

Browser	IE Chrome Firefox
Management Software	SPRO CSS
Mobile Client	iOS; Android
Cyber Security	Video 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

Port

Audio Input	1 channel (RCA port) (Only-ZAS supports)
Audio Output	1 channel (RCA port) (Only-ZAS supports)
Alarm Input	1 channel in: 5mA 3V-5V DC (Only-ZAS supports)
Alarm Output	1 channel out: 300mA 12V DC (Only-ZAS supports)

Power

Power Supply	12 VDC/PoE (802.3af)
Power Consumption	-ZS: Basic: 2.4 W (12 VDC); 3.1 W (PoE) Max. (H.265+intelligence on +WDR +IR on): 8.7 W (12 VDC); 10.1 W (PoE) -ZAS: Basic: 2.4 W (12 VDC); 3.1 W (PoE) Max. (H.265+intelligence on +WDR +IR on): 8.8 W (12 VDC); 10.2 W (PoE)

Environment

Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	–40 °C to +60 °C (–40°F to +140°F)
Protection	IP67

(continued)

Structure

Casing Material	Metal
Product Dimensions	238.5 mm × 90.7 mm × 90.7 mm
Net Weight	-ZS: 0.73 kg (1.6 lb); -ZAS: 0.76 kg (1.7 lb)
Gross Weight	-ZS: 0.99 kg (2.2 lb); -ZAS: 1.02 kg (2.2 lb)

Dimensions (mm [inch])

238.5 [9.39]

75.8 [2.98]

71.6 [2.82]

⌀90.7 [⌀3.57]

3–⌀4.7 [⌀0.19]

⌀70.0 [⌀2.76]

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