

DHIPQ40/ARW/60-M-I

4 MEGAPIXEL IP BULLET CAMERA
WITH STARLIGHT TECHNOLOGY



4 MEGAPIXEL



2.7 - 13.5MM



60m IR



IP67

STARLIGHT



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)

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|---------------------------------|---|---------|-----------|----------|
| 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 | Horizontal: 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) |

| | |
|------------------------------|---|
| | IE |
| Browser | 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 |

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])

