

## DHIPQ80/28LRW/30-D-V2

Active Deterrence 2.0 AI PRO IP Camera



8 MEGAPIXEL



2.8 MM



30m LED



30m IR



MICROPHONE



IP67



ARTIFICIAL INTELLIGENCE

### Key Features:

- H.265
- 120 dB WDR
- Red & blue flash light/alarm
- Alarm: 1 in 1 out
- Built-in warm light & IR LEDs (30m)
- Two-way-audio
- Microphone & speaker built-in (2 way audio)
- SMD PLUS
- Perimeter protection (tripwire & intrusion)
- Classification of human & vehicle
- One press arming/disarming through alarm input
- Support max. 256G micro SD card
- IP67 waterproof
- DC12V/POE



### SPECIFICATIONS

<b>Model No.</b>	DHIPQ80/28LRW/30-D-V2
<b>Image Sensor</b>	1 / 2.8 inch CMOS
<b>Max. Resolution</b>	3840 (H) x 2160 (V)
<b>ROM</b>	128 MB
<b>RAM</b>	512 MB
<b>Scanning System</b>	Progressive
<b>Electronic Shutter Speed</b>	Auto / Manual / 1/3 s-1/100,000 s

	0.004 lux@F1.0 (Colour, 30 IRE)
<b>Min. Illumination</b>	0.0004 lux@F1.0 (B/W, 30 IRE)
	0 lux (illuminator on)
<b>S/N Ratio</b>	>56 dB
<b>Illumination Distance</b>	Up to 30 m (98.43 ft) (IR) Up to 30 m (98.43 ft) (warm light)
<b>Illuminator On/Off Control</b>	Auto / Manual
<b>Illuminator Number</b>	2 (IR LED) 2 (warm light)
<b>Angle Adjustment</b>	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

## Lens

<b>Lens Type</b>	Fixed*focal
<b>Mount Type</b>	M12
<b>Focal Length</b>	2.8 mm
<b>Field of View</b>	H: 106°; V: 55°; D: 125°
<b>Iris Type</b>	Fixed
<b>Close Focus Distance</b>	2.0 m (6.56 ft)
	Detect: 91.0 m (298.56 ft)
	Observe: 36.4 m ( 119.42 ft)
<b>DORI Distance</b>	Recognise: 18.2 m (59.71 ft)
	Identify: 9.1 m (29.86 ft)

## Intelligence

<b>IVS (Perimeter Protection)</b>	Tripwire; intrusion (support the classification and accurate detection of vehicle and human)
<b>SMD</b>	Less false alarm, longer detection distance
<b>Smart Search</b>	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
<b>Quick Pick</b>	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events
<b>AI SSA</b>	Adopt deep learning algorithms to adjust the parameters of the image to suit the conditions.

## 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>AI Coding</b>	AI H.265; AI H.264
<b>Video Frame Rate</b>	Main stream: 3840 × 2160@(1 fps–30 fps) Sub stream: 704 × 576@(1 fps–25 fps)/704 × 480@(1 fps–30 fps) Third stream: 1920 × 1080@(1 fps–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>	3 streams
<b>Resolution</b>	8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728/2592 × 1944); 4M (2688 × 1520/2560 × 1440); 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>	CBR/VBR
<b>Video Bit Rate</b>	H.264: 32kbps–8192 kbps; H.265: 12kbps–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>Scene Self-adaptation</b>	Yes
<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)
<b>Region of Interest (RoI)</b>	Yes (4 areas)
<b>Smart IR</b>	Yes
<b>Defog</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>	8 areas

Audio	
<b>Built-in MIC</b>	Yes, built-in dual Mic
<b>Built-in speaker</b>	Yes, built-in speaker
<b>Audio compression</b>	PCM; G.711a; G.711Mu; G.726; G.723
Alarm	
<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; scene changing; audio detection; voltage detection; external alarm; SMD; security exception
Network	
<b>Network</b>	RJ-45 (10/100 Base-T)
<b>SDK and API</b>	Yes
<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
<b>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; SAMBA; PPPoE; SNMP; P2P
<b>Interoperability</b>	ONVIF (Profile S;Profile G;Profile T); CGI
<b>User/Host</b>	20 (Total bandwidth: 72 M)
<b>Storage</b>	FTP; SFTP; Micro SD card (support max. 256 G); NAS
<b>Browser</b>	IE: IE8/9/11; Chrome; Firefox
<b>Management Software</b>	DMSS
<b>Mobile Phone</b>	iOS; Android
Certification	
<b>Certification</b>	CE-LVD: EN 62368-1; 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;

## Port

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

## Power

<b>Power Supply</b>	12V DC/PoE (802.3af)
<b>Power Consumption</b>	Basic: 4.5 W (12 VDC); 5.5 W (PoE) Max. (pulling stream+warning light+speaker+warm light on): 7.6 W (12 VDC); 9.1 W (PoE)

## Environment

<b>Operating Conditions</b>	-40 °C to +60 °C (-40 °F to +140 °F)/Less than 95% RH
<b>Storage Conditions</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Protection Grade</b>	IP67

## Structure

<b>Casing</b>	Metal + Plastic
<b>Dimensions</b>	288.4 mm × 94.4 mm × 84.7 mm (11.35" × 3.72" × 3.33") (L × W × H)
<b>Net Weight</b>	1.0 kg (2.20 lb)
<b>Gross Weight</b>	1.23 kg (2.71 lb)

## Dimensions (mm[inch])

