



DHIPQ80/28LW/30-M-I-D

8MP IP ColourNight Bullet Camera with AI Technology



COLOURNIGHT



Key Features:

- 8 megapixel
- H.265
- 2.8mm Lens
- Up to 30m LED distance (smart LED)
- SMD (Smart motion detection)
- Intrusion (human & vehicle classification)
- Tripwire (human & vehicle classification)
- Microphone built-in (audio over CAT5e cable)
- 120dB WDR
- IP67 waterproof
- DC 12V/POE



SPECIFICATIONS

Model Number	DHIPQ80/28LW/30-M-I-D
Image Sensor	1/2.8"8Megapixel progressive CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive

(continued)

Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.007 Lux@F1.4
S/N Ratio	>56 dB
Illumination Distance	30 m
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (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	F1.0
Field of View	Horizontal:107°; vertical: 56°; diagonal: 127°
Iris Type	Fixed
Close Focus Distance	1.5 m
DORI Distance	Detect: 87.7 m Observe: 35.1 m Recognize: 17.5 m Identify: 8.8 m
Professional, Intelligent	
Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging 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: 3840 × 2160@(1–20 fps by default) ; 3840 × 2160 @(1–25/30 fps with AI function disabled) Sub stream: 704 × 576 @(1–25 fps)/704 × 480 @ (1–30 fps) Third stream 1920 × 1080 @(1–25/30 fps)
Stream Capability	3 streams
Resolution	5M (2592 × 1944); 4M (2688 × 1520 / 2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (354 × 288/354 × 240)

Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 12 Kbps–8192 Kbps
Day/Night	Color/ B/ W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation	Yes
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas)
Region of Interest(Rol)	Yes (4 areas)
Smart LED	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Audio Compression	PCM, G.711a, G.711Mu, G726
Alarm	
Alarm Event	No SD card; SD card full; SD card error; service life warning (supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; external alarm; SMD; safety exception; light alarm; sound alarm (11 built-in sounds and custom voices importing)
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP; DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE; 802.1x;SNMP

Cyber Security	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
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
User/Host	20 (Total bandwidth: 72M)
Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Cloud; NAS
Browser	IE: IE8, IE9, IE11, Chrome, Firefox
Management Software	SPRO CSS
Mobile Phone	iPhone, iPad & Android
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)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5mA 3V–5V DC
Alarm Output	1 channel out: 300mA 12V DC
General	
Power Supply	12V DC/PoE
Power Consumption	Basic power consumption: 3.2W (12V DC); 4.2W (PoE) Max. power consumption (WDR + H.265 + + red and blue lights intensity + warm light + max. sound alarm): 8.2W (12V DC); 9.7W (PoE)
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Casing	Metal + plastic
Dimensions	288.4 mm × 94.4 mm × 84.7 mm (L × W × H)
Net Weight	1.0 kg
Gross Weight	1.23 kg

