



DHIPD40/28LRW-M-E

4MP ColourNight 2.0 Smart Dual Illumination
Fixed-focal Eyeball Network Camera

COLOURNIGHT 2.0
SMART DUAL ILLUMINATION



Key Features:

- 1/2.9" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in Multi-core Light, the max. IR distance is 30 m and the max.warm light distance is 30 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Built-in Microphone.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.
- Supports human detection.



SPECIFICATIONS

Model Number	DHIPD40/28LRW-M-E
Image Sensor	1/2.9" CMOS
Max. Resolution	2560 (H) × 1440 (V)
ROM	16MB
RAM	64MB
Scanning System	Progressive

(continued)

Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000s
Min. Illumination	0.06 lux@F1.6 (Colour, 30 IRE); 0.006 lux@F1.6 (B/W, 30 IRE); 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	Up to 30 m (98.43 ft) (IR) Up to 30 m (98.43 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (Multi-core (IR + warm light))
Angle Adjustment	Pan: 0° - 360° Tilt: 0° - 78° Rotation: 0° - 360°

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8mm
Max. Aperture	F1.6
Field of View	H: 94°; V: 51°; D: 110°
Iris Control	Fixed
Close Focus Distance	1.1m (3.61 ft)
DORI	Detect: 64.0 m (209.97 ft) Observe: 25.6 (83.99 ft) Recognise: 12.8m (41.99 ft) Identify: 6.4m (21.00 ft)

Intelligence

Human Detection	Support the classification and accurate detection of humans
Smart 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: 2560 × 1440@(1–25 fps) 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	4M (2560 × 1440); 3M (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	VBR; CBR
Video Bit Rate	H.264: 32 kbps–4096 kbps; H.265: 12 kbps–4096 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 Illumination	Yes
Smart Dual Light	Yes
Image Rotation	0°/180°
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Microphone	Yes, built-in microphone
Audio Compression	G.711a; G.711Mu; PCM; G.726

Alarm

Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD (human); security exception
--------------------	---

Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP;UDP; ARP; RTP; RTCP; RTMP; SMTP; FTP DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S & Profile T); CGI
User/Host	6 (Total bandwidth: 24 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DMSS
Mobile Client	iOS; Android
Cyber Security	Video Encryption; Configuration; Encryption; Digest; WSSE; Account lockout; Security logs; Generation and importing of X.509 certification; HTTPS; Trusted boot; Trusted execution; Trusted upgrade

Certification

Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
-----------------------	--

Power

Power Supply	12VDC/PoE (802.3af)
Power Consumption	Basic: 1.6 W (12 VDC), 2.0 W (PoE); Max. : 3.7 W (12 VDC), 4.7 W (PoE) (H.265 + intelligence on + WDR+ warm light intensity)

Environment

Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Operating Humidity	≤95%(RH), non-condensing
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Storage Humidity	≤95%(RH), non-condensing
Protection	IP67

Structure

Casing Material

Metal

Product Dimensions

85.6 mm × Φ94.0 mm (3.37" × Φ3.7")

Net Weight

0.25 kg (0.55 lb)

Gross Weight

0.36 kg (0.79 lb)

Dimensions (mm[inch])

mm [inch]

