

SPRO[®]**IP**

DHIPD40-LR-DUO-D-W

4MP DUO IP PANORAMIC CAMERA
WITH AI-PRO & COLOUR NIGHT

COLOURNIGHT 2.0
SMART DUAL ILLUMINATION

ACTIVE DETERRENCE 2.0



Key Features:

- 2 x 4 megapixel 2.8mm lens
- 180° panoramic splicing image
- Colour night 2.0 (Smart Illumination)
- Microphone & speaker built-in
- Up to 25m IR Range
- Up to 20m Warm Light Range
- Dual Microphone & Speaker Built-in (AOC)
- Active Deterrence 2.0
- AI PRO Technology
- EPTZ: Enlarge & track intelligent alarm targets
- Support up to 256GB micro SD card
- IP67 Waterproof
- DC12V/POE
- Compatible with NVR's 4K Range and A8 Range



Model Number	DHIPD40-LR-DUO-D-W
Image Sensor	Dual 1/2.7" CMOS
Max Resolution	4096 (H) x 1860 (V)
ROM	128 MB
RAM	1GB
Scanning System	Progressive

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Electronic Shutter Speed	Auto / Manual 1/3 s-1/100,000 s
Min. Illumination	0.005 lux@F1.4 (Colour, 30 IRE) 0.0005 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	Up to 25 m (82.02 ft) (IR LED); Up to 20 m (65.62 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	2 (IR LED); 2 (Warm light)
Pan / Tilt / Rotation Range	Pan: 0°–360° / Tilt: 0°–77° / Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm
Field of View	Horizontal: 180°; Vertical: 86°
Max. Aperture	F1.4
Iris Control	Fixed
Close Focus Distance	0.8 m (2.62 ft)
DORI Distance	Detect: 50.6 m (166.01 ft) Observe: 20.2 m(66.27 ft) Recognise: 10.1 m (33.14 ft) Identify: 5.1 m(16.73 ft)

Intelligence

IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
SMD	4.0
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.
EPTZ	Enlarge and track the targets of intelligent

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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+
AI Coding	AI H.265; AI H.264
Video Frame Rate	Main stream: 4096 × 1860@(1–20 fps) Sub stream: 1200 × 530@(1–20 fps) Third stream: 1920 × 860@(1–20 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	3 streams
Resolution	4096 × 1860; 3632 × 1632; 3040 × 1368; 1200 × 530; 1920 × 860; 960 × 432
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 6 kbps –16384 kbps H.265: 6 kbps –16384 kbps
Day/Night	Auto(ICR)/Colour/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Privacy Masking	4 areas
Defog	Yes

Audio	
Built-in MIC	Yes, built-in dual Mic
Audio Compression	Yes, built-in speaker
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene chaging; audio detection; voltage detection; external alarm; SMD; security exception
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
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
Network Protocol	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
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI;
User/Host	20 (Total bandwidth: 64M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE: IE 8 and later; Chrome; Firefox
Management Software	DMSS
Mobile Client	iOS; Android
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: wet contact, 5mA 3 V-5 VDC
Alarm Output	1 channel out: wet contact, 300mA 12 VDC
Certification	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU

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Power

Power Supply	12 VDC ($\pm 30\%$); PoE (802.3af)
Power Consumption	Basic: 3.95 W (12 VDC); 4.95 W (PoE) Max. (H.265+WDR+ warm light+siren and light active deterrence + intelligence on): 8.7 W (12 VDC); 10.85 W (PoE)

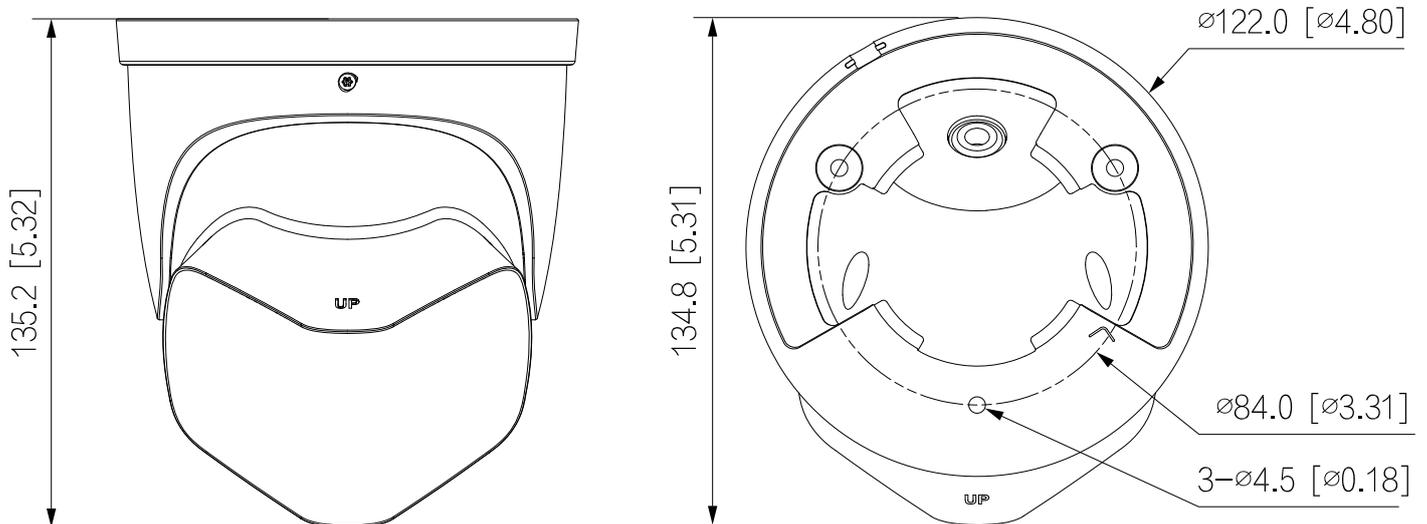
Environment

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	$\leq 95\%$
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67

Structure

Casing	Metal
Product Dimensions	$\Phi 122$ mm \times 135.2 mm ($\Phi 4.80$ " \times 5.32")
Net Weight	990 g (2.18 lb)
Gross Weight	1150 g (2.54 lb)

Dimensions (mm[inch])



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