



DHIPD50/28LRW/30-D-V4

5MP IP Smart Dual Illumination Active Deterrence Camera



ACTIVE DETERRENCE 2.0



COLOUR NIGHT 2.0
SMART DUAL ILLUMINATION

SMD 4.0
Smart Motion Detection 4.0

PERIMETER PROTECTION

AI PRO
ARTIFICIAL INTELLIGENCE

TWOWAYAUDIO



AOC
AUDIO CAT5e CABLE

ONVIF

Key Features:

- 5 megapixel
- H.265
- 2.8mm Lens
- Up to 30m LED distance (smart LED)
- Up to 30m IR distance (smart LED)
- SMD 4.0 (Smart motion detection)
- Intrusion (human & vehicle classification)
- Tripwire (human & vehicle classification)
- Two-way-audio
- 120dB WDR
- IP67 waterproof
- DC 12V/POE



SPECIFICATIONS

Model Number	DHIPD50/28LRW/30-D-V4
Image Sensor	1/2.7" CMOS
Effective Pixels	2960 (H) x 1668 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive

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Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.003 lux@F1.0 (Colour, 30 IRE) 0.0003 lux@F1.0 (B/W, 30 IRE) 0 lux (illuminator on)
S/N Ratio	>56 dB
Illumination Distance	30 m (98.43 ft) (IR) 30 m (98.43 ft) (warm light)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED) 1 (Warm light)
Pan/Tilt/Rotation Range	Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360°

Lens

Lens Type	Fixed focal
Mount Type	M12
Focal Length	2.8 mm
Field of View	Horizontal: 97°; vertical: 70°; diagonal: 128°
Iris Type	Fixed
Close Focus Distance	1.5 m (4.92 ft)
DORI Distance	Detect: 66m Observe: 26.4 m Recognise: 13.2 m Identify: 6.6 m

Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion (Recognition of human and vehicle)
SMD 4.0	Less false alarm, longer detection distance
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
AI SSA	Adopt deep learning algorithms to adjust the parameters of the image to suit the conditions.

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: 2880 × 1620/2960 × 1668@(1 fps–20 fps) /2688 × 1520 @(1 fps–30 fps) Sub stream: 704 × 576@(1 fps–25 fps)/704 × 480@(1 fps–30 fps) Third stream: 1920 × 1080@(1 fps–25/30 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	3 streams
Resolution	5M (2880 × 1620/2960 × 1668); 4M (2688 × 1520/2560 × 1440); 3M 2304×1296/2048 × 1536); 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: 32kbps - 8192 kbps; H.265: 12kbps-8192 kbps
Day / Night	Auto (ICR) / Colour / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptations	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)

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Mirror	Yes
Privacy Masking	8 areas
Audio	
Built-in MIC	Yes, built-in dual Mic
Built-in Speaker	Yes, built-in Speaker
Audio Compression	PCM; G.711a; G.726Mu; 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 changing; audio detection; voltage detection; external alarm; SMD; security exception
Network	
Network	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
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: 72 M)
Storage	FTP; SFTP; Micro SD card (Support max. 256Gb); NAS
Browser	IE: IE8/9/11; Chrome; Firefox
Management Software	DMSS
Mobile Phone	iOS; Android
Certification	
Certification	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

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Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in 5mA 3V-5 VDC
Alarm Output	1 channel out: 300mA 12 VDC
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 3.7W (12 VDC); 4.8W (PoE) Max. (pulling stream+warning light+speaker+warm light on): 8.3W (DC12 V) 8.8W (POE)
Environment	
Operating Conditions	-40 °C to +60 °C (-40 °F to +140 °F)/Less than 95% RH
Storage Conditions	-40 °C to +60 °C (-40 °F to +140 °F)
Protection Grade	IP67
Structure	
Casing	Metal
Dimensions	110.9 mm × Φ122.0 mm (4.37" × Φ4.80")
Net Weight	745 g (1.64 lb)
Gross Weight	915 g (2.02 lb)

Dimensions (mm[inch])

