



# DHIPD50/28LRG/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



## 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

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

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<b>Electronic Shutter Speed</b>	Auto/Manual 1/3 s–1/100,000 s
<b>Min. Illumination</b>	0.003 lux@F1.0 (Colour, 30 IRE) 0.0003 lux@F1.0 (B/W, 30 IRE) 0 lux (illuminator on)
<b>S/N Ratio</b>	>56 dB
<b>Illumination Distance</b>	30 m (98.43 ft) (IR) 30 m (98.43 ft) (warm light)
<b>Illuminator On/Off Control</b>	Auto/Manual
<b>Illuminator Number</b>	1 (IR LED) 1 (Warm light)
<b>Pan/Tilt/Rotation Range</b>	Horizontal: 0°–360°; vertical: 0°–78°; 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>	Horizontal: 97°; vertical: 70°; diagonal: 128°
<b>Iris Type</b>	Fixed
<b>Close Focus Distance</b>	1.5 m (4.92 ft)
<b>DORI Distance</b>	<b>Detect:</b> 66m   <b>Observe:</b> 26.4 m   <b>Recognise:</b> 13.2 m   <b>Identify:</b> 6.6 m

### Intelligence

<b>IVS (Perimeter Protection)</b>	Tripwire; intrusion (Recognition of human and vehicle)
<b>SMD 4.0</b>	Less false alarm, longer detection distance
<b>Intelligent Search</b>	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
<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: 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.
<b>Stream Capability</b>	3 streams
<b>Resolution</b>	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)
<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-adaptations</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 Illumination</b>	Yes
<b>Defog</b>	Yes
<b>Image Rotation</b>	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)

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<b>Mirror</b>	Yes
<b>Privacy Masking</b>	8 areas
<b>Audio</b>	
<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.726Mu; G.726; G.723
<b>Alarm</b>	
<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
<b>Network</b>	
<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. 256Gb); NAS
<b>Browser</b>	IE: IE8/9/11; Chrome; Firefox
<b>Management Software</b>	DMSS
<b>Mobile Phone</b>	iOS; Android
<b>Certification</b>	
<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

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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>	12 VDC/PoE (802.3af)
<b>Power Consumption</b>	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	
<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
<b>Dimensions</b>	110.9 mm × Φ122.0 mm (4.37" × Φ4.80")
<b>Net Weight</b>	745 g (1.64 lb)
<b>Gross Weight</b>	915 g (2.02 lb)

#### Dimensions (mm[inch])

