

**SPRO**

**COLOURNIGHT 2.0**

**SMART DUAL ILLUMINATION**

**AI PRO**  
ARTIFICIAL INTELLIGENCE



## DHIPD60/28LRW-M

6MP Smart Dual Illumination Fixed-focal Eyeball Network Camera



### Key Features:

- H.265
- 6 Megapixel
- 2.8mm Fixed Lens
- Microphone built-in
- Classification of Human & Vehicle
- Warm Light Range: Up to 30m
- IR range: Up to 30m
- Perimeter Protection
- SMD+
- 120dB WDR
- Metal Housing
- IP67 Waterproof
- DC12V/POE



## SPECIFICATIONS

<b>Model Number</b>	DHIPD60/28LRW-M
<b>Image Sensor</b>	1/2.7" CMOS
<b>Max. Resolution</b>	3288 (H) × 1850 (V)
<b>ROM</b>	128 MB
<b>RAM</b>	256 MB
<b>Scanning System</b>	Progressive

(continued)

<b>Electronic Shutter Speed</b>	Auto/Manual 1/3 s–1/100,000 s
<b>Min. Illumination</b>	0.007 lux@F1.6 (Colour, 30 IRE) 0.0007 lux@F1.6 (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>	Pan: 0°–360°; Tilt: 0°–78°; Rotation: 0°–360°
<b>Lens</b>	
<b>Lens Type</b>	Fixed-focal
<b>Mount Type</b>	M12
<b>Focal Length</b>	2.8 mm
<b>Max. Aperture</b>	F1.6
<b>Field of View</b>	H: 112°; V: 61°; D: 132°
<b>Iris Type</b>	Fixed
<b>Close Focus Distance</b>	1.0 m (3.28 ft)
<b>DORI Distance</b>	<b>Detect:</b> 61.2 m   <b>Observe:</b> 24.5 m   <b>Recognise:</b> 12.2 m   <b>Identify:</b> 6.1 m
<b>Intelligence</b>	
<b>IVS (Perimeter Protection)</b>	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
<b>Smart Search</b>	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
<b>SMD</b>	SMD Plus
<b>Video</b>	
<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>Video Frame Rate</b>	Main stream: 3288 × 1850@(1–20 fps)/2688 × 1520@(1–25 fps) sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–25 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>	2 streams
<b>Resolution</b>	6M (3288 × 1850/3200 × 1800); 5M (2880 × 1620); 4M (2688 × 1520); 3M (2048 × 1536/2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
<b>Bit Rate Control</b>	VBR;CBR
<b>Video Bit Rate</b>	H.264: 32 kbps–8192 kbps; H.265: 12 kbps–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>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, rectangular)
<b>Region of Interest(RoI)</b>	Yes (4 areas)
<b>Smart Illumination</b>	Yes
<b>Smart Dual Light</b>	Yes
<b>Image Rotation</b>	0°/ 90°/ 180°/ 270° (Support 90° / 270° with 2688×1520 resolution and lower.)
<b>Mirror</b>	Yes
<b>Privacy Masking</b>	4 areas
<b>Audio</b>	
<b>Built-in MIC</b>	Yes, built-in Mic
<b>Audio Compression</b>	G.711a; G.711Mu; PCM; G.726
<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; audio detection; voltage detection; SMD; security exception

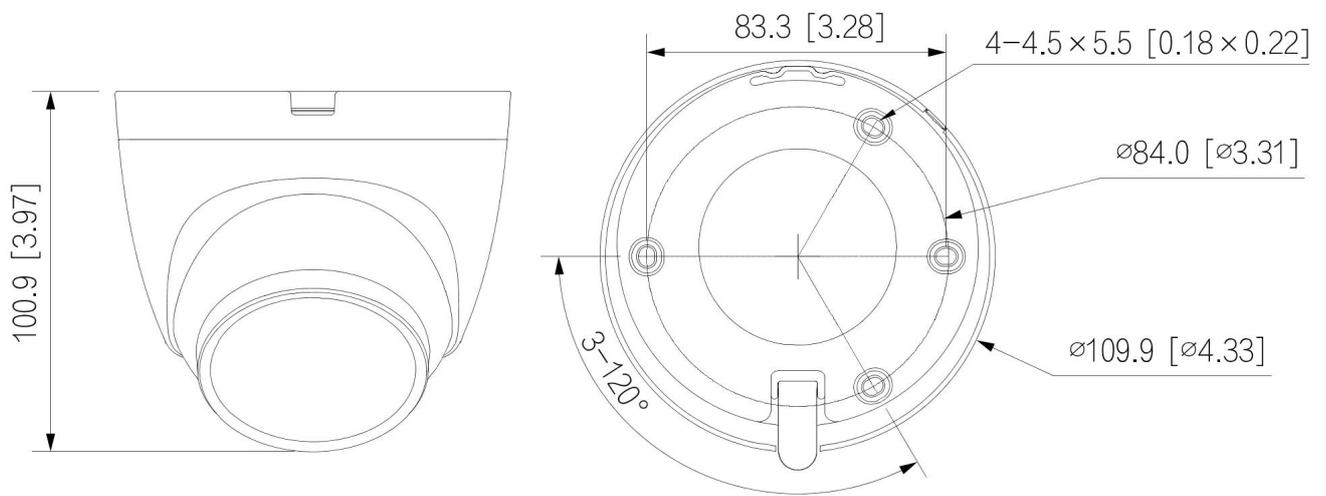
Network	
<b>Network Port</b>	RJ-45 (10/100 Base-T)
<b>SDK and API</b>	Yes
<b>Network Protocol</b>	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; P2P; Bonjour; Auto Registration
<b>Interoperability</b>	ONVIF (Profile S & Profile G & Profile T); CGI
<b>User/Host</b>	20 (Total bandwidth: 48M)
<b>Storage</b>	FTP; SFTP; Micro SD card (Support max. 256GB); NAS
<b>Browser</b>	IE; Chrome; Firefox
<b>Management Software</b>	DMSS, Smart PSS Lite
<b>Mobile Client</b>	iOS; Android
<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
Certification	
<b>Certifications</b>	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Power	
<b>Power Supply</b>	12VDC; PoE
<b>Power Consumption</b>	Basic: 2.5W (12 VDC); 3.4W (PoE); Max.: 4.6W (12 VDC); 5.7W (PoE) (H.265 + intelligence on + WDR + illuminator intensity)
Environment	
<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Operating Humidity</b>	≤95% (RH), non-condensing
<b>Storage Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Storage Humidity</b>	≤95% (RH), non-condensing
<b>Protection</b>	IP67

### Structure

<b>Casing Material</b>	Metal
<b>Product Dimensions</b>	100.9 mm × Φ109.9 mm (3.90" × Φ4.33")
<b>Net Weight</b>	0.38Kg (0.84lb)
<b>Gross Weight</b>	0.52Kg (1.15lb)

### Dimensions (mm[inch])

mm [inch]



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