

SPRO[®]

DHIPD50/28RV-W

SPRO 5MP IR Fixed-focal Dome Network Camera



Key Features:

- 5MP, 1/2.7" CMOS image sensor
- 2880 × 1620 @20 fps, 2688 × 1520 @25/30 fps
- H.265
- 30 m IR distance
- RoI, SMART H.264+/H.265+
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access
- 12V DC/PoE power supply
- IP67 and IK10 protection



SPECIFICATIONS

Model Number	DHIPD50/28RV-W
Image Sensor	1/2.7" CMOS
Effective Pixels	2880 (H) × 1620 (V)
ROM	16 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual 1/3 s-1/100,000 s
Min. Illumination	0.03 Lux@F2.0 (Colour, 30 IRE); 0.003 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)

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S/N Ratio	>56 dB
Illumination Distance	30 m (98.43 ft) (IR)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	3 (IR LED);
Pan/Tilt/Rotation Range	Pan: 0°–355° - Tilt: 0°–65° - Rotation: 0°–355°

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8mm
Max. Aperture	2.0
Field of View	2.8 mm: Horizontal: 106°; Vertical: 56°; Diagonal: 125°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.8 m (2.62 ft)
DORI Distance	Detect: 56 m (183.73 ft) Observe: 22.4 m (73.49 ft) Recognise: 11.2 m (36.75 ft) Identify: 5.6 m (18.37 ft)

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: 2880 × 1620 (1 fps–20 fps) 2688 × 1520 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–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	2 streams
Resolution	2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (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)

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Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Day / Night	Auto(ICR) / Colour / B/W
BLC	Yes
HLC	Yes
WDR	DWDR
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
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas

Alarm

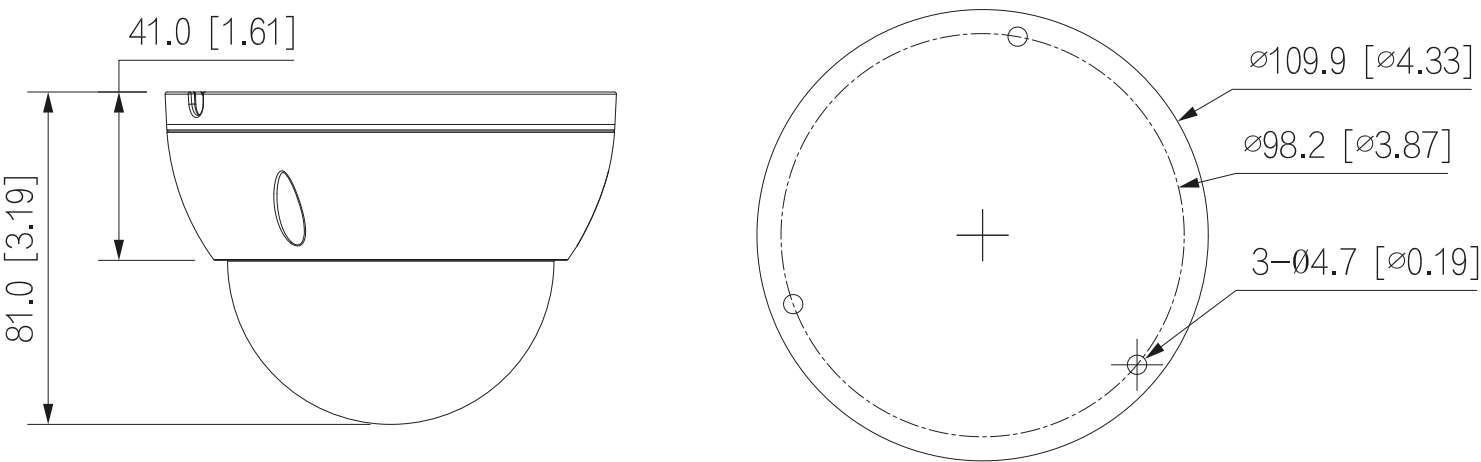
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; safety exception
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Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
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
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone
User/Host	6 (total bandwidth: 48M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	DMSS
Mobile Client	iOS; Android

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Certification	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic: 1.9W (12V DC); 2.2W (PoE) Max. (ICR + H.265 + max. resolution + main stream + DWDR + IR intensity): 4.5W (12V DC); 5W (PoE)
Environment	
Operating Temperature	−40°C to +60°C (−40°F to +140°F)
Operating Humidity	≤ 95%
Storage Temperature	−40°C to +60°C (−40°F to +140°F)
Protection	IP67; IK10
Structure	
Casing	Metal
Product Dimensions	81 mm × Φ109.9 mm (3.19" × Φ4.33")
Net Weight	0.35 kg (0.77 lb)
Gross Weight	0.49 kg (1.08 lb)
Dimensions (mm[inch])	



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