

SPRO®

DHD50/28LRW-4-M

5MP Smart Dual Illumination Eyeball Camera



5 MEGAPIXEL



2.8 MM



40m IR



MICROPHONE



IP67



Key Features:

- Max 25fps@5MP (16:9 video output)
- 120dB true WDR, 3D NR
- Smart dual Illumination
- 40m Illumination distance
- Built-in MIC
- 3.6mm fixed lens (2.8 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12VDC

SPECIFICATIONS

Model Number	DHD50/28LRW-4-M
Image Sensor	5MP CMOS
Max. Resolution	2880 (H) x 1620 (V)
Pixel	5 MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/3 s-1/100000 s NTSC: 1/4 s-1/100000 s
S/N Ratio	> 65 dB
Min. Illumination	0.001 lux@F1.0 (Color, 30 IRE); 0.0001 lux@F1.0 (B/W, 30 IRE); 0 lux (Illuminator on)

(continued)

Illumination Distance	IR: 40 m (131.23 ft); Warm light: 40 m (131.23 ft)
Illuminator On/Off Control	Auto; manual
Illuminator Number	2 (IR light); 2 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8mm; 3.6mm;
Max. Aperture	F1.0
Field of View	2.8mm:H:111° V:57° D:131° 3.6mm: H:92° V:47° D:104°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 1.5 m (4.92 ft) 3.6 mm: 2.2 m (7.22 ft)

DORI	Lens	Detect	Observe	Recognize	Identify
Distance	2.8mm	66.0m (216.54 ft)	26.4m (86.61 ft)	13.2m (43.31 ft)	6.6m (21.65 ft)
	3.6mm	78.0m (255.91 ft)	31.2m (102.36 ft)	15.6m (51.18 ft)	7.8m (25.59 ft)

Video

Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps; AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps; TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps; CVBS: PAL: 960H; NTSC: 960H
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Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto (ICR)/Colour/B/W
BLC	BLC/HLC/WDR/HLC-Pro
WDR	120 dB
White Balance	Auto; Area White Balance
Gain Control	Auto/Manual
Noise Reduction	3D NR
Defog	Electronic defog
Digital Zoom	4x
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)
Illumination Mode	Smart IR&WL; WL Mode; IR Mode

Certifications

Certifications	CE (EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010+A1:2015, EN55035:2017, EN50130-4:2011+A1:2014, EN62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
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Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Audio Input	One channel built-in MIC

Power

Power Supply	12 VDC ± 30%
Power Consumption	Max 5.7 W (12 VDC, LED on)

Environment

Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Operating Humidity	< 95% (RH), non-condensing
Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Protection	IP67

Structure

Casing Material	Metal
Product Dimensions	$\Phi 106.0 \text{ mm} \times 93.6 \text{ mm}$ ($\Phi 4.17'' \times 3.69''$)
Packaging Dimensions	$148 \text{ mm} \times 139 \text{ mm} \times 137 \text{ mm}$ ($5.83'' \times 5.47'' \times 5.39''$)
Net Weight	0.49 kg (1.08lb)
Gross Weight	0.66 kg (1.46 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

Dimensions (mm[inch])

