

DHD50/ARW/60-M

5MP Starlight IR Turret Camera
With Motorized Lens



5 MEGAPIXEL



2.7 mm-12 mm



60m IR



IP67

STARLIGHT

AOC

AUDIO OVER CO-AX

Key Features:

- Max 25 fps@5MP (16:9 video output)
- 2.7 mm-12 mm motorized lens
- Built-in microphone
- Max. IR length 60 m, Smart IR
- IP67, 12V DC



SPECIFICATIONS

Model Number	DHD50/ARW/60-M
Image Sensor	1/2.7 inch CMOS
Max. Resolution	2880 (H) × 1620 (V)
Pixel	5 MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s
S/N Ratio	>65 dB
Min. Illumination	0.005 Lux/F1.6, 30IRE, 0 Lux IR on
Illumination Distance	60 m (196.9 ft)
Illuminator On/Off Control	Auto; manual

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Illuminator Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360°; Tilt: 0°–78°; Rotation: 0°–360°
Lens	
Lens Type	Motorized vari-focal
Auto Focus	N/A
Mount Type	φ14
Focal Length	2.7 mm - 12 mm
Max. Aperture	F1.6
Field of View	Diagonal: 39°–130° ; Horizontal: 34°–107° ; Vertical: 19°–55°
Iris Type	Fixed iris
Close Focus Distance	0.5 m (1.64 ft)

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.7 mm	69 m (226.37 ft)	27.6 m (90.55 ft)	13.8 m (45.27 ft)	6.9 m (22.63 ft)
	12 mm	191.6 m (628.6 ft)	76.64 m (251.44 ft)	38.32 m (125.72 ft)	19.16 m (62.86 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
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto; manual
Gain Control	Auto; manual
Noise Reduction	2D NR
Smart IR	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 areas, rectangle)

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Certifications

Certifications	CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014, EN 62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
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Port

Audio Input One channel built-in-mic

Video Output BNC

Power

Power Supply DC 12V \pm 30%

Power Consumption Max 6.6W (12V DC, IR on)

Environment

Operating Temperature -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$); < 95% (non-condensation)

Storage Temperature -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$); < 95% (non-condensation)

Protection Grade IP67

Structure

Casing Metal throughout the whole casing

Camera Dimensions ϕ 122 mm \times 104.8 mm (ϕ 4.80" \times 4.13")

Net Weight 0.57 kg (1.26 lb)

Gross Weight 0.72 kg (1.59 lb)

Dimensions (mm [inch])

