

Technical Specification

Camera

Image Sensor	1/2.7 inch CMOS
Effective Pixels	2592 (H) × 1944 (V), 5MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s
S/N Ratio	>65dB
Minimum Illumination	0.02Lux/F1.2, 0Lux White Light on
Fill Light (White Light) Distance	Distance up to 40 m (131.23 ft)
Fill Light On/Off Control	Auto; manual
Fill Light Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	2.8 mm; 3.6 mm				
Max. Aperture	F1.2				
Field of View	2.8 mm: 129° × 98° × 71° (diagonal × horizontal × vertical) 3.6 mm: 111° × 83° × 56° (diagonal × horizontal × vertical)				
Iris Type	Fixed iris				
Close Focus Distance	2.8 mm: 1.6 m (5.25 ft); 3.6 mm: 2.1 m (6.89 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	67.5 m (221.5 ft)	27.0 m (88.6 ft)	13.5 m (44.3 ft)	6.7 m (22.0 ft)
	3.6 mm	80.0 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 m (26.2 ft)

Video

Frame Rate	CVI: PAL: 5M@20fps, 4M@25fps, 1080P@25fps; NTSC: 5M@20fps, 4M@30fps, 1080P@30fps AHD: PAL: 5M@20fps, 4M@25fps; NTSC: 5M@20fps, 4M@30fps TVI: PAL: 5M@20fps, 4M@25fps; NTSC: 5M@20fps, 4M@30fps CVBS: PAL: 960H; NTSC: 960H
Resolution	5M (2592 × 1944); 4M (2560 × 1440); 1080P (1920 × 1080); 960H (704 × 576/704 × 480)
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto; manual
Gain Control	Auto; manual

Noise Reduction	2D NR
Smart Light	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

Certifications

Certifications	CE (EN55032, EN55024, EN50130-4, EN60950-1) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
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Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
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Audio Interface

Audio Input	Built-in mic (-A)
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Power

Power Supply	12V ±30% DC
Power Consumption	Max 5.0W (12V DC, white light on)

Environment

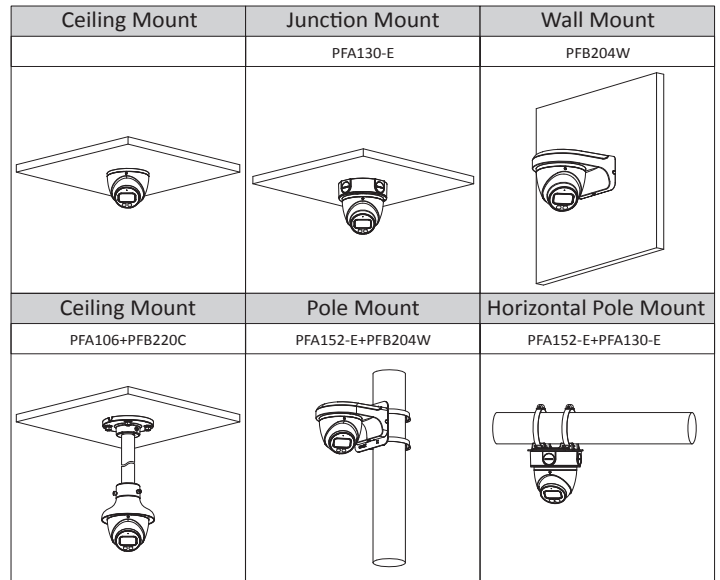
Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Protection Grade	IP67

Structure

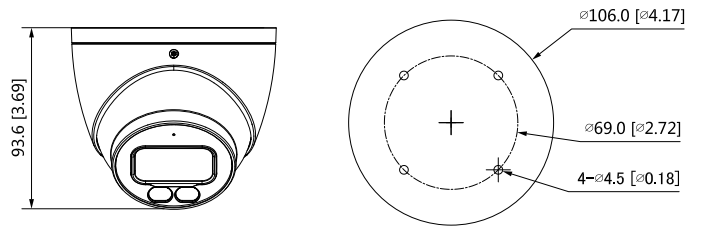
Casing	Metal throughout the whole casing
Camera Dimensions	φ106.0 mm × 93.6 mm (φ4.17" × 3.69")
Net Weight	0.46 Kg (1.01 lb)
Gross Weight	0.61 Kg (1.34 lb)

Ordering Information

Type	Part Number	Description
5MP Camera	DH-HAC-HDW1509TP-A-LED	5MP Full-color Starlight HDCVI Eyeball Camera
	DH-HAC-HDW1509TN-A-LED	
	DH-HAC-HDW1509TP-LED	
	DH-HAC-HDW1509TN-LED	
Accessories	PFA130-E	Water-proof Junction Box
	PFB204W	Water-proof Wall Mount Bracket
	PFA106 + PFB220C	Adapter Plate of Mini Dome & Eyeball Camera + Ceiling Mount Bracket of Mini Dome & Eyeball Camera
	PFA152-E + PFB204W	Pole Mount Bracket + Water-proof Wall Mount Bracket
	PFA152-E + PFA130-E	Pole Mount Bracket + Water-proof Junction Box
	PFM820 (Only 1080P and below are available)	UTC Controller
	PFM800-E	Passive HDCVI Balun
	PFM800-4K	Passive Video Balun
	PFM907	Integrated Mount Tester
PFM320D	12V 2A DC power adapter	



Dimensions (mm[inch])



Accessories

Optional:

