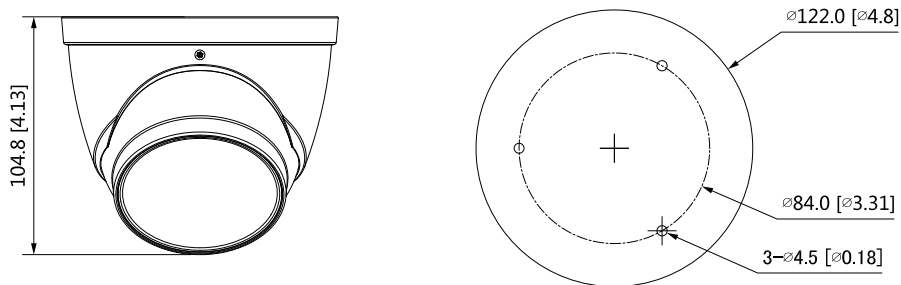


# 5MP Starlight HDCVI IR Eyeball Camera HDOD-ELES5IRZA



- Max 25 fps@5MP (16:9 video output)
- CVI/CVBS/AHD/TVI switchable
- 2.7 mm–12 mm motorized lens
- Built-in mic
- Max. IR length 60 m, Smart IR
- IP67, 24V AC/12V DC

## Dimensions (mm [inch])



## Technical Specification

### Camera

Image Sensor	1/2.7 inch CMOS
Max. Resolution	2880 (H) × 1620 (V)
Pixel	5MP
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
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)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	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 AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H
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)

### 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 Output	One channel built-in mic
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

### Power

Power Supply	AC 24V ±25%/DC 12V ±10%
Power Consumption	Max 8.2W (12V DC, IR on)

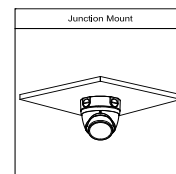
### Environment

Operating Temperature	–30°C to +60°C (–22°F to +140°F); < 95% (non-condensation)
Storage Temperature	–30°C to +60°C (–22°F to +140°F); < 95% (non-condensation)
Protection Grade	IP67

### Structure

Casing	Metal throughout the whole casing
Camera Dimensions	φ122 mm × 104.8 mm (φ4.80" × 4.13")
Net Weight	0.57 kg (1.26 lb)
Gross Weight	0.72 kg (1.59 lb)

### Installation



### Accessories

#### Optional:



Junction Box



JB-EL130-E  
IP66 Junction Box



PM-EL152-E  
Pole Mount Bracket  
(For use with PFB205W)



HDUTC-EL  
(Only 1080P and below are available)  
UTC Controller



MA-EL106  
Mount Adapter  
(For use with PFB220C)