

# TDOECS5LIR2-A

### 5MP Smart Dual Illuminators Eyeball Camera



- · Max 25 fps@5MP (16:9 video output).
- 120 dB true WDR, 3DNR.
- · Smart Dual Illuminators.
- 40 m illumination distance.
- · Built-in MIC.
- 2.8mm fixed lens
- · CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.













#### **Functions**

#### **Smart Dual Illuminators**

With its smart dual illumination mechanism, the camera automatically turns on the white lightwhen Perimeter Protection/SMD Plus function of AI detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR illuminator toignificantly reduce light pollution.

#### Wide Dynamic Range

With its advanced Wide Dynamic Range technology (WDR), the camera captures highly detailed images and produces high-definition recordings in high-contrast lighting conditions, and in scenes with backlighting or shadows.

#### **Broadcast-quality Audio**

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

#### Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

#### Advanced 3DNR

ToughDog's a dvanced 3DNR technology reduces image no ise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

#### Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has  $\pm 30\%$  input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio\*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

#### **Long Distance Transmission**

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables.

## TD0ECS5LIR2-A

Day/Night

Auto (ICR)/Color/B/W

Technical Sp	pecification						BLC	BLC; HLC; WDR; HLC-Pro
Came ra							WDR	120 dB
Pixel		5MP					White Balance	Auto; Area white balance
Image Sensor		5MP CMOS					Gain Control	Auto; manual
Max. Resolution		2880 (H) × 1620 (V)					Noise Reduction	3D NR
Scanning System		Progressive					Defog	Electronic d efog
Electronic Shutter Speed		PAL: 1/3 s-1/100000 s NTSC: 1/4 s-1/100000 s					Digital Zoom	4×
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE)					Mirror	Yes
S/N Ratio		0 lux (Illumin ator on) >65dB					Privacy Masking	Off/On (8 areas, rectangle)
		IR: 40 m (131.23 ft)					Illumination Mode	Smart IR&WL WL Mode; IR Mode
Illumination Distance		Warm light: 40 m (131.23 ft)					Certifications	
Illuminator On/Off Control		Auto; manual					Certifications	CE (EN55032:2015, EN61000-3-2:2014, EN61 3-3:2013, EN55024:2010+A1:2015, EN55035 EN50130-4:2011+A1:2014, EN62368- 1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63 UL (UL62368-1+CAN/C SA C22.2 No.62368-1
Illuminator Number		2 (IR light)						
		2 (Warm lig ht)						
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78°					Port	
Lens		Rotation: 0°–360°					Video Output	Video output choices of CVI/TVI /AHD/CVBS BNC port
Lens Type		Fixed-focal					Audio Input	One channel buil t-in MIC
Mount Type		M12					Power	
Focal Length		2.8 mm					Power Supply	12 VDC ± 30%
Max. Aperture		F1.0	F1.0				Power Consumption	Max 5.7 W (12 VDC, LED on)
Field of View		2.8 mm: H: 111°; V: 57°; D: 131°					Environme nt	
							Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Iris Control		Fixed					Operating Humidity	<95% (RH), non- condensing
Close Focus Distance		2.8 mm: 1.5 m (4.92 ft)					Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
DORI distance	Lens	Detect	Observe	Recognize	Identify		Protection	IP67
	2.8 mm	66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)		Structure	
							Casing Material	Metal
Video							Product Dimensions	Φ106.0 mm × 93.6 mm (Φ4.17" × 3.69")
video		CVI:	CVI:				Packaging Dimensions	148 mm × 139 mm × 137 mm (5.83" × 5.47" :
Video Frame Rate		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;					Net Weight	0.49 kg (1.08 lb)
							Gross Weight	0.66 kg (1.46 lb)
		NTSC: 4M@ TVI:					Installation	Wall mount; ceiling mount; vertical pole mou
		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)						

## TDOECS5LIR2-A

### Accessories

### Optional:



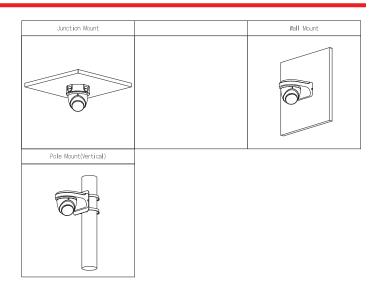
PFA130-E Water-proof Junction Box



PFB204W Wall Mount Bracket



PFA106 Adapter Plate of Mini Dome & Eyeball Camera



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PFA152-E + PFB204W Passive HDCVI Balun

## Dimensions (mm[inch])

