

# EZ-HAC-T2A21-F2 2MP IR EYEBALL HDCVI CAMERA



# HDCVI

- Max. 30fps@1080p
- $\cdot$  CVI/CVBS/AHD/TVI switchable
- $\cdot$  2.8 mm fixed lens
- · Max. IR length 20 m, Smart IR
- IP67, DC12 V



#### System Overview

EZ-IP Series offers simple and highly cost-effective HDCVI solutions. It offers 24/7 reliable monitoring with high-quality image performance, saving both product and labor costs. It is also highly guaranteed by Dahua quality standard.

#### Functions

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio\*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

\* Audio input is available for some models of HDCVI cameras.

#### Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables high definition video surveillance without the hassle of configuring a network.

#### **Smart Illumination**

The camera is designed with IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

#### Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m via UTP cable.\* \*Actual results verified by real-scene testing in Dahua's test laboratory.

#### Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

#### Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

# EZ-IP Series | EZ-HAC-T2A21-F2

# **Technical Specification**

# Camera

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Illuminator Number2 (IR light)Pan/Tilt/RotationTilt: 0° - 360°Pan/Tilt/Rotation: 0° - 360°Section: 0° - 360°LensSection: 0° - 360°Lens TypeFixed-focalMount TypeM12Focal Length2.8 mmFocal Length2.8 mmMax. ApertureFixed-focalField of View2.8 mm: H: 2': Y: 54°; D: 20°Iris TypeFixed risClose Focus DiverceClose Focus DiverceClose focus DiverceLensObserveRecognizeIdentifySecond DiverceAppRI distanceSecond DiverceSecond DiverceAppRI distanceSecond Diverce2.8 mmSecond DiverceSecond DiverceColspan="4">Second DiverceSecond DiverceColspan="4">Second DiverceSecond DiverceSe	Illumination Distance		20m (65.6 ft)			
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<b>2.8 mm</b> 38.6 m 15.4 m 7.7 m 3.9 m	DORI distance	Lens	Detect	Observe	Recognize	Identify
		2.8 mm				

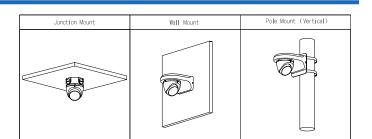
Smart IR	Yes			
Mirror	Off/On			
Privacy Masking	Off/On (8 area, rectangle)			
Certifications				
Certifications	CE LVD : EN 62368-1 CE EMC: EN55032 EN55024 EN55035 EN61000-3-2 EN61000-3-3			
Port				
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port			
Power				
Power Supply	DC12V±30%			
Power Consumption	Max 2.7W (12V DC, IR 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	Aluminium			
Camera Dimensions	φ94.0 mm × 78.0mm (φ3.70" × 3.07")			
Net Weight	0.27 kg (0.60 lb)			
Gross Weight	0.33 kg (0.73 lb)			

## Video

Frame Rate	CVI: PAL: 1080p@25 fps;720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps AHD: PAL: 1080p@25 fps;720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps TVI: PAL: 1080p@25 fps;720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps CVBS: PAL: 960H; NTSC: 960H	
Resolution	1080p (1920 ×1080); 720p (1280 ×720) 960 H (960 × 576/960 × 480)	
Day/Night	Auto switch by ICR	
BLC	BLC/HLC/DWDR	
WDR	DWDR	
White Balance	Auto/Area WB	
Gain Control	Auto	
Noise Reduction	2D NR	

# EZ-IP Series | EZ-HAC-T2A21-F2

Ordering Information					
Туре	Part Number	Description			
2MP Camera	EZ-HAC-T2A21-F2	2MP IR EYEBALL HDCVI CAMERA			
Accessories (Optional)	PFA13A-E	Water-proof Junction Box			
	PFA152-E	Pole Mount Bracket			
	PFB204W	Water-proof Wall Mount Bracket			
	PFM800-E	Passive HDCVI Balun			
	PFM321D	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			



## Dimensions (mm[inch])

## Accessories

# **Optional:**



PFA13A-E Water-proof Junction Box



PFM800-E Passive HDCVI Balun





PFA152-E Pole Mount Bracket



PFM321D 12V 1A Power Adapter



Water-proof Wall Mount Bracket



PFM904 Integrated Mount Tester

