

DH-HAC-T3A21-Z

2MP HDCVI IR Eyeball Camera

- · Max 30fps@1080P
- · CVI/CVBS/AHD/TVI switchable
- · 2.7-12mm motorized lens
- · Max. IR length 40m, Smart IR
- · IP67, DC12V













System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 1080P HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

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.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 800m(1080p)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.*

*This function is available for select models.

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 full HD video surveillance without the hassle of configuring a network.

Smart IR

The camera is designed with IR LED 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.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

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

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments.

With working temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification						Electronic Defe	og	Yes	
Camera					Mirror		Off/On		
Image Senso	r	1/2.7 inch CMOS				Privacy Maskir	ng	Off/On (8	8 area, rectangle)
Effective Pixe	els	1920(H)×1080(V), 2MP				Certifications			
Scanning Sys	tem	Progressive						032:2015, EN 61000-3-2:2014, EN 61000-	
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Certifications		3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
S/N Ratio		>65dB				Port			
Minimum Illu	ımination	0.04Lux/F1.7, 30IRE, 0Lux IR on					Video output chaices of CVI/TVI/AHD/CVRS by one		
Fill Light Working Distance		40m (131.2ft)				Video Output	Video Output BNC port		
IR On/Off Control		Auto; manual				Power	Power		
IR LED Number		2				Power Supply		12V ±30% DC	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Power Consun	Power Consumption Max 6.6W (12V DC, IR on)		
						Environment			
Lens						Operating Temperature -30°C to + condensa		+60°C (-22°F to 140°F);<95% (non- ation)	
Lens Type		Motorized vari-focal				Storage Tempe	Storage Temperature -30°C1 conde		+60°C (-22°F to 140°F);<95% (non- ation)
Auto Focus		N/A				Protection Gra	Protection Grade IP67		
Mount Type		ф14				Structure			
Focal Length		2.7 mm-12 mm					Casing Plastic dome cover+mental upper cover+plastic lo		
Max. Aperture		F1.7					dome		
Field of View		Diagonal: 38°– 125° Horizontal: 33°–102°							m × 106.2 mm (Φ 4.80" × 4.18")
Iris Type		Vertical: 19°– 53° Fixed iris				Gross Weight		0.38 kg (0.51 kg (
Close Focus Distance		1.2 m (3.9 ft)				C. C.S. WCIgIII		0.01 //8 (<i></i> ,
DORI Distance		Detect	Observe	Recognize	Identify	Ordering In	ring Information		
	2.7mm	48.3m (158.5ft)	19.3 m (63.3 ft)	9.7 m (31.8 ft)	4.8 m (15.7ft)	Туре	Part Number		Description
	12mm	131 m (429.8 ft)	52.4 m (171.9 ft)	26.2 m (86.0 ft)	13.1 m (43.0 ft)		DH-HAC-T3A2 12mm		
Video		CVI: 1080P@25/30fns: 720P@25/30fns:				2MP Camera	2MP Camera DH-HAC-T3A2 12mm		2MP HDCVI IR Eyeball Camera

Video					
Frame Rate	CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; CVBS: 960H				
Resolution	1080P (1920×1080); 720P (1280×720); 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				

Ordering Information							
Туре	Part Number	Description					
2MP Camera	DH-HAC-T3A21P-Z 2.7- 12mm	2MP HDCVI IR Eyeball Camera					
Zivir Caillera	DH-HAC-T3A21N-Z 2.7- 12mm						
	PFA137	Junction Box					
	PFA130-E	IP66 Junction box					
	PFB205W	Wall Mount (For use alone or with PFA152-E pole mount)					
	PFA152-E	Pole mount (For use with PFB205W wall mount)					
Accessories	PFA106	Mount Adapter (For use with PFB220C)					
Accessories	PFB220C	Ceiling Mount Bracket of Mini Dome & Eyeball Camera					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					
	PFM800-E	Passive HDCVI Balun					
	PFM820	UTC Controller					

Accessories

Optional:

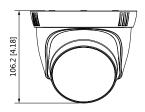


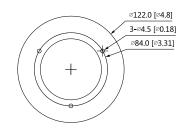
PFA137 Junction box

PFA130-E IP66 Junction box

PFB205W Wall Mount (For use alone or with PFA152-E pole mount)

Dimensions (mm[inch])





PFA152-E Pole mount (For use with PFB205W wall mount) PFA106 Mount Adapter (For use with PFB220C) PFB220C Ceiling Mount Bracket of Mini Dome & Eyeball Camera

PFM321D 12V 1A Power Adapter PFM904 Integrated Mount Tester PFM800-E Passive HDCVI Balun

PFM820 UTC Controller

Junction Mount	Wa ll Mount	Ceiling Mount
S S S S S S S S S S S S S S S S S S S		
Pole Mount(Vertical)		