

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 costperformance 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 S	pecification	1			Electronic Defo	fog Yes				
Camera						Mirror	Off/On			
Image Sensor		1/2.7 inch CMOS				Privacy Maskin	sking Off/On		3 area, rectangle)	
Effective Pixels	;	1920(H)×1080(V), 2MP				Certifications				
Scanning Syste	m	Progressive						CE (EN55032:2015, EN 61000-3-2:2014, EN 61000- 3-3:2013, EN55024:2010+A1:2015, EN 55035:2017		
Electronic Shu	tter Speed	PAL: 1/25s-1 NTSC: 1/30s	1/100000s 1/100000s			Certifications		EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-201 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)		
S/N Ratio		>65dB				Port				
Minimum Illun		0.04Lux/F1.7, 30IRE, 0Lux IR on				Video Output	Video output choices of CVI/TVI/AHD/CVBS bout			
Fill Light Work	_	40m (131.2ft)				Power	Power BNC port			
IR On/Off Cont		Auto; manual					Power Supply 12V ±30% DC			
IR LED Numbe	-		2				11 /		V (12V DC, IR on)	
Pan/Tilt/Rotat	ion Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Environment				
Lens						30°C to -	+60°C (-22°F to 140°F);<95% (non- ation)			
Lens Type		Motorized vari-focal				Storage Tempe	Storage Temperature		-30°C to +60°C (-22°F to 140°F);<95% (non- condensation)	
Auto Focus		N/A				Protection Grade IP67			action)	
Mount Type		ф14				Structure				
Focal Length		2.7 mm-12 mm				Casing		Plastic do	c dome cover+mental upper cover+plastic low	
Max. Aperture		F1.7				dome				
Field of View		Diagonal: 38°–125° Horizontal: 33°–102° Vertical: 19°–53°							22 mm × 106.2 mm (Φ 4.80" × 4.18")	
						-			g (0.84 lb)	
Iris Type Close Focus Distance		Fixed iris				Gross Weight	Gross Weight 0.51 k		g (1.12 lb)	
DORI Distance	stance	1.2 m (3.9 ft Detect		Recognize	Idontify	Ordering Ir	Ordering Information			
	2.7mm	48.3m	19.3 m	9.7 m	4.8 m	Type	Part Number		Description	
	2.7mm	(158.5ft)	(63.3 ft)	(31.8 ft)	(15.7ft)	71		727		
	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-T3A21P-Z 2.7- 12mm			
Video		CVI: 1080P@25/30fps; 720P@25/30fps;				2MP Camera	DH-HAC-T3A21N-Z 2.7- 12mm		2MP HDCVI IR Eyeball Camera	

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Video						2MP Camera	DH-HAC-T3A21N-Z 2.7- 12mm	2MP HDCVI IR Eyeball Camera	
		_	25/30fps; 720	P@25/30fps;					
Frame Rate				0P@25/30fps;			PFA137	Junction Box	
		720P@50/60 CVBS: 960H		r@25/501ps,			PFA130-E	IP66 Junction box	
Resolution		1080P (1920		[1280×720); 96	0Н (960×		PFB205W	Wall Mount (For use alone or with PFA152-E pole mount)	
Day/Night		576/960×48 Auto switch	<i>'</i>				PFA152-E	Pole mount (For use with PFB205W wall mount)	
BLC		BLC/HLC/DW				Accessories	PFA106	Mount Adapter (For use with PFB220C)	
BLC		BLC/HLC/DW	/DK					Ceiling Mount Bracket of Mini Dome &	
WDR		DWDR					PFB220C	Eyeball Camera	
White Balance		Auto; manua	I				PFM321D	12V 1A Power Adapter	
Gain Control		Auto; manua	I				PFM904	Integrated Mount Tester	
Noise Reduction	on	2D NR					PFM800-E	Passive HDCVI Balun	
Smart IR Yes							PFM820	UTC Controller	

Accessories

Optional:



PFA137 Junction box



PFA130-E IP66 Junction box



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



PFB220C Ceiling Mount Bracket of Mini Dome & Eyeball Camera



PFA152-E Pole mount (For use with PFB205W wall mount)



Mount Adapter (For use with PFB220C)



PFM904 Integrated Mount Tester

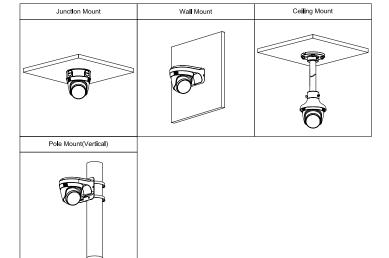


PFM800-E Passive HDCVI Balun



12V 1A Power Adapter

PFM820 UTC Controller



Dimensions (mm[inch])

