

DH-HAC-HDBW3200F

2MP HDCVI IR Dome Camera



- * The parameters and datasheets below can only be applied to 3200-S5 series
- · Max 30 fps@1080p
- · CVI/CVBS/AHD/TVI switchable
- · Built-in Mic
- · 2.8 mm fixed lens
- · Max. IR length 20 m, Smart IR
- · IP67, IK10, DC12V













System Overview

Experience 1080p full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Micro-size 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 800 m (1080p)/1200 m (720p) transmission via coaxial cable, and up to 300 m (1080p)/450 m (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 the 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-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 -40°C to $+60^{\circ}\text{C}$ (-40°F to 140°F), the camera is designed for extreme temperature environments. Supporting $\pm30\%$ 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.

IVIICro-SIZ	e Series	DH-HA	C-HDR	VV32001	_					
Technical Specification			Smart IR		Yes					
Camera						Mirror		Off/On		
Image Sensor		1/2.7 inch CMOS				Privacy Maskin	ng	Off/On (8	3 area, rectangle)	
Max. Resolution		1920 (H) x 1080 (V)				Certificatio	Certifications			
Pixel		2MP				Certifications		CE/FCC,	UL, IP6K9K, EN50155, E-MARK	
Scanning System		Progressive				Port	Port			
Electronic Shutter Speed		PAL: 1/25 s-	1/100000 s 1/100000 s			Audio Interfac	e	Built-in N	Лic	
S/N Ratio		>65 dB	,			Video Output		Video ou BNC port	tput choices of CVI/TVI/AHD/CVBS b	
Min. Illumination		0.02 Lux/F2.0, 30IRE, 0 Lux IR on				Power	Power			
Illumination Distance		20 m (65.6 ft	:)			Power Supply	Power Supply 12V ±30		0% DC	
Illuminator On/Off Control		Auto; manual				Power Consun	mption Max 2.6W (12V DC, IR on		W (12V DC, IR on)	
Illuminator Number		8 (IR)				Environme	Environment			
Pan/Tilt/Rotation Range		Pan: -30° to 30° Tilt: 0° to 80°				Operating Ten	Operating Temperature -40°C conde		$+60^{\circ}$ C (-40° F to 140° F); < 95% (nonation)	
Lens		Rotation: 0° to 360°				Storage Tempo	Storage lemnerature		+60°C (-40°F to 140°F); <95% (non- ation)	
Lens Type		Fixed-focal				Protection Gra	Protection Grade IP67, IK10		0	
Mount Type		M12				Structure	Structure			
Focal Length		2.8 mm				Casing	Casing		Metal	
Max. Aperture	2	F2.0				Dimensions	Dimensions		Φ106.0 mm × 50.3 mm (Φ4.17" × 1.98")	
Field of View		H: 106°; V: 5	5°; D: 126°			Net Weight		0.33 kg (0.73 lb)	
Iris Type		Fixed iris				Gross Weight	Gross Weight 0.47 kg		1.04 lb)	
Close Focus Distance		0.5 m (1.64 ft)								
	Lens	Detect	Observe	Recognize	Identify	Ordering I	nformation			
DORI Distance	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)	Туре	Part Number		Description	
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent				2MP Camera	DH-HAC-HDBW 2.8 mm	3200FP	2MP HDCVI IR Dome Camera, PAL		
					2	DH-HAC-HDBW 2.8 mm	3200FN	2MP HDCVI IR Dome Camera, NTSC		
		ces, refer to installation and commissioning manual/				PFM321D		12V 1A Power Adapter		
							DEN 400 4		Integrated Mount Toster	

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		

Ordering Information							
Туре	Part Number	Description					
2MP Camera	DH-HAC-HDBW3200FP 2.8 mm	2MP HDCVI IR Dome Camera, PAL					
	DH-HAC-HDBW3200FN 2.8 mm	2MP HDCVI IR Dome Camera, NTSC					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					
	PFM800-E	Passive HDCVI Balun					
Accessories (Optional)	PFA139	Junction box (For use alone)					
	PFB204W	Wall mount (For use alone or with PFA152-E pole mount)					
	PFA152-E	Pole mount (For use with PFB204W junction box)					

Accessories

Optional:



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester



PFM800-E Passive HDCVI Balun

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Dimensions (mm[inch])



PFA139 Junction box (For use alone)



PFA152-E Pole mount (For use with PFB204W junction box)



PFB204W Wall mount (For use alone or with PFA152-E pole mount)

Junction Mount	Wall Mount	Pole Mount(Vertical)