

DH-HAC-HDW3200G

2MP HDCVI IR Miniature Eyeball Camera



- · Max 30fps@1080p
- · CVI/CVBS/AHD/TVI switchable
- · Built-in Mic
- · 3.6 mm fixed lens (2.8 mm optional)
- · Max. IR length 20 m, Smart IR
- · IP67, 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 multilanguage 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 $\pm 30\%$ 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						Noise Redu	Noise Reduction 2D NR			
Camera						Smart IR	Smart IR Yes			
Image Sensoi	r	1/2.7 inch C	1/2.7 inch CMOS				Mirror Off/On			
Max. Resolut	ion	1920 (H) x 10	1920 (H) x 1080 (V)				Privacy Masking Off/On (8 area, rectangle)			
Pixel 2MP				Certifica	Certifications					
Scanning System Progressive				Certifications CE/FCC, UL, IP6K9K, EN50155						
			1/25 s–1/100000 s :: 1/30 s–1/100000 s			Port				
S/N Ratio		>65 dB	>65 dB				Audio Interface Built-in Mic			
Min. Illumina	tion	0.02 Lux/F2.0, 30IRE, 0 Lux IR on				Video Outp	Video Output Video output choices of CVI/TVI/AHD/CVBS by BNC port			
llumination (Distance	20 m (65.6 ft)				Power				
lluminator O	n/Off Control	Auto; manua	Auto; manual				Power Supply 12V ±30% DC		6 DC	
lluminator N	umber	1 (IR)				Power Cons	Power Consumption Max 2.3W (12V DC, IR on)			
Pan/Tilt/Rota	ation Range	Pan: 0°–360° Tilt: 0°–78°			Environment					
, ,	5	Rotation: 0°-	Rotation: 0°–360°				Operating Temperature -40°C to +60°C (-40°F to 140°F); <95% (non- condensation)			
Lens				Storage Ter	-40°C to +60°C (-40°F to 140°F); <95% (non-					
ens Type		Fixed-focal					condensation)			
Mount Type		M12				Protection Grade IP67				
Focal Length		2.8 mm; 3.6	2.8 mm; 3.6 mm				Structure			
Max. Aperture			2.8 mm: F2.0 3.6 mm: F2.0				Casing Metal			
Field of View			2.8 mm: H: 101°; V: 54°; D: 119°				Dimensions Φ 62.		0 mm × 61.7 mm (Φ2.44" × 2.43")	
Field of View		3.6 mm: H: 84°; V: 45°; D: 100°				Net Weight 0.1		1.17 kg (0.37 lb)		
Iris Type		Fixed iris				Gross Weig	Gross Weight 0.27 kg		0.6 lb)	
Close Focus [Distance	2.8 mm: 0.5 3.6 mm: 0.8								
DORI Distance		Detect	Observe	Recognize	Identify	Ordering	Information			
	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	
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5.0 m (16.4 ft)		DH-HAC-HDW320 2.8 mm	:00GP	2MP HDCVI IR Miniature Eyeball Camer	
							DIL HAC HDW33	OOCD	PAL	

V	i	d	e	C
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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		

	Ordering Information							
Part Number	Description							
DH-HAC-HDW3200GP 2.8 mm	2MP HDCVI IR Miniature Eyeball Camera,							
DH-HAC-HDW3200GP 3.6 mm	PAL							
DH-HAC-HDW3200GN 2.8 mm	2MP HDCVI IR Miniature Eyeball Camera,							
DH-HAC-HDW3200GN 3.6 mm	NTSC							
PFM321D	12V 1A Power Adapter							
PFM904	Integrated Mount Tester							
PFM800-E	Passive HDCVI Balun							
PFM820	UTC Controller							
	DH-HAC-HDW3200GP 2.8 mm DH-HAC-HDW3200GP 3.6 mm DH-HAC-HDW3200GN 2.8 mm DH-HAC-HDW3200GN 3.6 mm PFM321D PFM904 PFM800-E							

Accessories

Optional:



12V 1A Power Adapter

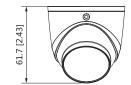


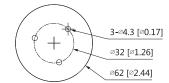
Integrated Mount Tester



PFM800-E Passive HDCVI Balun

Dimensions (mm[inch])







PFM820 UTC Controller

