

DH-HAC-HDW2231MP-B

2MP HDCVI IR Eyeball Camera



- * The parameters and datasheets below can only be applied to 1200-S5 series.
- · Max 30fps@1080P
- \cdot HD and SD output switchable
- · 3.6mm fixed lens (2.8 mm optional)
- · Max. IR length 30 m, Smart IR
- \cdot 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-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 °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.

Lite Series | DH-HAC-HDWHDW2231MP-B

Technical Specification

Camera

1/2.7 inch CMOS			
1920(H)×1080(V), 2MP			
Progressive			
PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s			
>65dB			
0.02Lux/F1.9, 30IRE, 0Lux IR on			
30 m (98.4 ft	30 m (98.4 ft)		
Auto; manual		Auto; manual	
12	12		
Tilt: 0°–78°	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°		
Fixed-focal			
M12			
2.8 mm; 3.6	2.8 mm; 3.6 mm		
F1.9			
2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)			
Fixed iris			
2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)			
Detect	Observe	Recognize	Identify
			nachteny
38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
(126.6 ft) 49.7 m	(50.5 ft) 19.9 m	(25.3 ft) 9.9 m	3.9 m (12.8 ft) 5 m
(126.6 ft)	(50.5 ft)	(25.3 ft)	3.9 m (12.8 ft)
(126.6 ft) 49.7 m (163.1 ft) CVI: 1080P@ 720P@50/60 AHD: 1080P	(50.5 ft) 19.9 m (65.3 ft) 225/30fps; 720 0fps; @25/30fps; 720 225/30fps; 720	(25.3 ft) 9.9 m (32.5 ft) P@25/30fps; 0P@25/30fps;	3.9 m (12.8 ft) 5 m
(126.6 ft) 49.7 m (163.1 ft) CVI: 1080P@ 720P@50/60 AHD: 1080P@ 720P@50/60 CVBS: 960H	(50.5 ft) 19.9 m (65.3 ft) 225/30fps; 720 0fps; @25/30fps; 720 025/30fps; 720 0fps; *1080); 720P ((25.3 ft) 9.9 m (32.5 ft) P@25/30fps; DP@25/30fps; P@25/30fps;	3.9 m (12.8 ft) 5 m (16.4 ft)
(126.6 ft) 49.7 m (163.1 ft) CVI: 1080P@ 720P@50/60 AHD: 1080P(720P@50/60 CVBS: 960H 1080P (1920)	(50.5 ft) 19.9 m (65.3 ft) 0225/30fps; 720 025/30fps; 720 025/30fps; 720 025/30fps; 720 015 ×1080); 720P (0)	(25.3 ft) 9.9 m (32.5 ft) P@25/30fps; DP@25/30fps; P@25/30fps;	3.9 m (12.8 ft) 5 m (16.4 ft)
(126.6 ft) 49.7 m (163.1 ft) CVI: 1080P@ 720P@50/60 AHD: 1080P@ 720P@50/60 CVBS: 960H 1080P (1920) 576/960×480	(50.5 ft) 19.9 m (65.3 ft) 225/30fps; 720 0fps; @25/30fps; 720 225/30fps; 720 0fps; ×1080); 720P (0) by ICR	(25.3 ft) 9.9 m (32.5 ft) P@25/30fps; DP@25/30fps; P@25/30fps;	3.9 m (12.8 ft) 5 m (16.4 ft)
	1920(H)×108 Progressive PAL: 1/25s- NTSC: 1/303 >65dB 0.02Lux/F1.9 30 m (98.4 ft Auto; manual 12 Pan: 0°-360 Tilt: 0°-78° Rotation: 0°- Fixed-focal M12 2.8 mm; 3.6 F1.9 Qiagonal x h 3.6 mm: 100 (diagonal x h) 3.6 mm: 0.8 Fixed iris 2.8 mm; 0.5 3.6 mm: 0.8	1920(H)×1080(V), 2MP Progressive PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s >65dB 0.02Lux/F1.9, 30IRE, 0Lux H 30 m (98.4 ft) Auto; manual 12 Pan: 0°-360° Tilt: 0°-78° Rotation: 0°-360° Fixed-focal M12 2.8 mm; 3.6 mm F1.9 Z.8 mm: 119° x 101° x 54° (diagonal x horizontal x verta 3.6 mm: 100° x 84° x 45° Fixed iris 2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)	1920(H)×1080(V), 2MP Progressive PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s >65dB 0.02Lux/F1.9, 30IRE, 0Lux IR on 30 m (98.4 ft) Auto; manual 12 Pan: 0°-360° Tilt: 0°-78° Rotation: 0°-360° Fixed-focal M12 2.8 mm; 3.6 mm F1.9 2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical) Fixed iris 2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)

Auto; manual

Auto; manual

2D NR

White Balance Gain Control

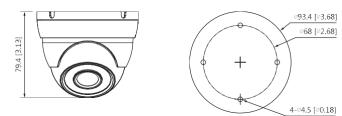
Noise Reduction

Smart IR	Yes
Electronic Defog	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)
Certifications	
Certifications	CE (EN55032:2015, EN 61000-3-2:2014, EN 61000- 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)
Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Power	
Power Supply	12V ±30% DC
Power Consumption	Max 3.1W (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	Metal throughout the whole casing
Camera Dimensions	φ93.4 mm × 79.4 mm (φ3.68" × 3.13")
Net Weight	0.27 Kg (0.60 lb)
Gross Weight	0.34 Kg (0.75 lb)

Lite Series | DH-HAC-HDWHDW2231MP-B

Ordering Information				
Туре	Part Number	Description		
2MP Camera	DH-HAC-HDW1200MP 2.8mm	2MP HDCVI IR Eyeball Camera		
	DH-HAC-HDW1200MN 2.8mm			
	DH-HAC-HDW1200MP 3.6mm			
	DH-HAC-HDW1200MN 3.6mm			
Accessories	PFA13A-E	Junction box		
	PFA130-E	IP66 Junction box		
	PFB204W	Wall Mount Bracket (For use alone or with PFA152-E)		
	PFA152-E	Pole Mount Bracket (For use with PFB204W)		
	PFA106	Mount Adapter (For use with PFB220C)		
	PFB220C	Ceiling Mount Bracket (For use with PFA106)		
	РҒМ800-Е	Passive HDCVI Balun		
	PFM321D	12V 1A Power Adapter		
	PFM904	Integrated Mount Tester		

Dimensions (mm[inch])



Accessories

Optional:



PFA13A-E Junction box

PFA130-E P66 Junction box



PFB204W Wall Mount Bracket (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFB204W)



PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter

PFA106

Mount Adapter

(For use with PFB220C)

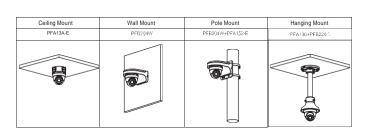


PFB220C

Ceiling Mount Bracket

(For use with PFA106)

PFM904 Integrated Mount Tester



Rev 002.000

© 2022 Dahua. All rights reserved. Design and specifications are subject to change without notice. The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.