

DH-HAC-HFW2231SP-B

2MP HDCVI IR Bullet Camera



- * The parameters and datasheets below can only be applied to 1200-S5 series.
- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8 mm, 6 mm optional)
- · Max. IR length 30m, 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-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-HFW2231SP-B

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Technical Specification							Electronic Defog	Yes
Camera						Mirror	Off/On	
Image Sensor		1/2.7 inch CMOS					Privacy Masking	Off/On (8 area, rectangle)
Effective Pixels		1920(H)×1080(V), 2MP					Certifications	
Scanning System		Progressive						CE (EN55032:2015, EN 61000-3-2:2014, EN 61000- 3-3:2013, EN55024:2010+A1:2015, EN 55035:2017,
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s					Certifications	S-3-2015, ENS3024-2010+A1.2015, EN 33033.2017, 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 Illumination		0.02Lux/F1.9, 30IRE, 0Lux IR on						Video output choices of CVI/TVI/AHD/CVBS by one
Fill Light Working Distance		30 m (98.4 ft)					Video Output	BNC port
IR On/Off Control		Auto; manual					Power	
IR LED Number		18					Power Supply	12V ±30% DC
Pan/Tilt/Rotation Range		Pan: 0°–360 Tilt: 0°–90°	Pan: 0°–360°				Power Consumption	Max 4.1W (12V DC, IR on)
		Rotation: 0°–360°					Environment	
Lens		roud family					Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)
Lens Type Mount Type		Fixed-focal M12					Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non- condensation)
Focal Length		2.8 mm; 3.6 mm					Protection Grade	IP67
		F1.9					Structure	
Max. Aperture		2.8 mm: 119° x 101° x 54°					Casing	Metal throughout the whole casing
Field of View		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)					Camera Dimensions	164.7 mm \times 70 mm \times 71.6 mm (6.48" \times 2.76" \times 2.82")
Iris Typo		(diagonal x norizontal x vertical) Fixed iris					Net Weight	0.37 Kg (0.82 lb)
Iris Type							Gross Weight	0.46 Kg (1.01 lb)
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)						
DORI Distance	Lens	Detect	Observe	Recognize	Identify			
	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)			
	3.6 mm	49.7 m	19.9 m	9.9 m	5 m			

Yes

720P@50/60fps; CVBS: 960H

Video

Frame Rate

Resolution

Smart IR

(163.1 ft) (65.3 ft) (32.5 ft) (16.4 ft)

CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps;

TVI: 1080P@25/30fps; 720P@25/30fps;

1080P (1920×1080); 720P (1280×720); 960H (960×576/960×480)

Ordering Information								
Туре	Part Number	Description						
	DH-HAC-HFW2231SP-B 2.8mm							
2MP Camera	DH-HAC-HFW2231SP-B 2.8mm	2MP HDCVLIR Bullet Camera						
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	DH-HAC-HFW2231SP- BN 3.6mm							
	PFA134	Junction Box						
	PFA130-E	IP66 Junction Box (For use alone or with PFA152-E pole mount)						
Accessories	PFA152-E	Pole Mount Bracket (For use with PFA130-E junction box)						
	PFM800-E	Passive HDCVI Balun						
	PFM321D	12V 1A Power Adapter						
	PFM904	Integrated Mount Tester						

Accessories

Optional:



PFA134 Junction box



PFA130-E IP66 Junction Box (For use alone or with PFA152-E pole mount)



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



PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

Wall Mount 1	Wall Mount 2	Pole Mount
PFA134	PFA130-E	PFA130-E+PFA152-E

Dimensions (mm[inch])

