

DH-HAC-HF3120R

1MP HDCVI Box Camera

HDCVI



- Max 30fps@720P
- HD and SD switchable
- C/CS lens
- DC12V



System Overview

Experience 720P HD video, a complete set of features, and the simplicity of reusing existing coaxial infrastructure with HDCVI. The HDCVI camera presents a high quality image with rich details. It offers multi-language OSD, HD/SD switchable video and audio input interface, all in an elegant case design. Its superior image performance and project-oriented features make the camera an ideal choice for mid to large-size businesses and projects in all industries.

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 HCVR, 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 long-distance and real-time transmission without any loss. It supports up to 1200m for 720P HD video via coaxial cable, and up to 450m via UTP cable.*

*Actual results verified by real-scene testing in Dahua's test laboratory.

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.

Multi-interfaces

The camera is designed with multi-interfaces for transmitting/receiving various signals. It supports HDCVI/CVBS video output and audio input interface. Multi-interfaces covers different requirements of monitoring scenes and facilitates deployment and construction.

Protection

Supporting $\pm 25\%$ 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.

Elegant Design

As projected-oriented product, the camera adopts elegant appearance design to express feeling of high reliability for industrial grade application.

Technical Specification

Camera

Image Sensor	1/3" CMOS
Effective Pixels	1280(H)×960(V), 1.3MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/50s~1/100000s NTSC: 1/60s~1/100000s
Minimum Illumination	0.05Lux/F1.2 (Color), 0.005Lux/F1.2 (B/W)
S/N Ratio	More than 65dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens

Lens Type	C/CS lens / Fixed iris
Mount Type	C/CS
Focal Length	N/A
Max Aperture	N/A
Angle of View	N/A
Focus Control	Auto / Manual
Close Focus Distance	N/A

Pan / Tilt / Rotation

Pan/Tilt/Rotation	N/A
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Video

Resolution	720P (1280×720)
Frame Rate	25/30fps@720P
Video Output	1-channel BNC HDCVI high definition video output / CVBS video output (Can switch)
Day/Night	Auto (ICR) / Manual
OSD Menu	English
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
Smart IR	N/A

Certifications

Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
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Interface

Audio Interface	1-channel audio in
Alarm Interface	N/A

Electrical

Power Supply	DC 12V±25%
Power Consumption	Max 1W (12V DC, IR on)

Environmental

Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH * Start up should be done at above -30°C (-22°F)
Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	N/A

Construction

Casing	Plastic
Dimensions	144.4mm×75.5mm×63.6mm (5.69"×2.97"×2.50")
Net Weight	0.23kg (0.51lb)
Gross Weight	0.34kg (0.75lb)

Ordering Information

Type	Part Number	Description
1MP Camera	DH-HAC-HF3120RP	1MP HDCVI Box Camera, PAL
	DH-HAC-HF3120RN	1MP HDCVI Box Camera, NTSC
Accessories	PFB110W	Wall/ceiling/plane mount (For use alone)
	PFB121W	Wall mount (For use alone)
	PLZ1040-D	4MP 2.7-12mm Lens
	PLZ1140-D	4MP 5-50mm Lens
	PFH610V-IR	14" Vandal-proof Housing
	PFM800-E	1 Channel Passive HDCVI Balun
	PFM321	12V 1A Power Adapter
	PFM320	12V 2A Power Adapter
	PFM320D-015	12V 1.5A Power Adapter

Accessories

Optional:



PFB110W
Wall/ceiling/plane
mount



PFB121W
Wall mount



PLZ1040-D
Lens



PLZ1140-D
Lens



PFH610V-IR
14" Vandal-proof Housing



PFM800-E
Passive HDCVI Balun



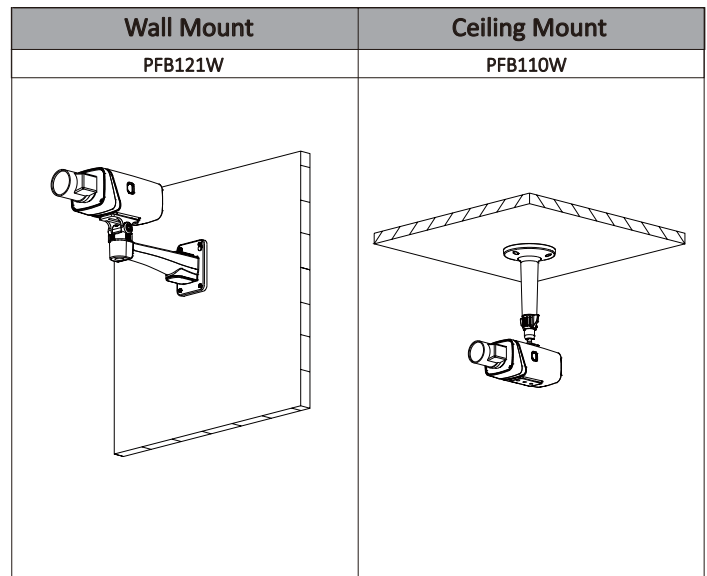
PFM321
12V 1A Power Adapter



PFM320
12V 2A Power Adapter



PFM320D-015
Power Adapter



Dimensions (mm/inch)

