DH-HAC-HF3120R

1MP HDCVI Box Camera

HDCVI

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

System Overview

Experience HD 720P video and complete features with the simplicity of using existing coaxial infrastructure. The HDCVI camera presents high quality image with rich details. It offers various models with multi-language OSD and multi-interfaces including HD&SD video and audio, all come with elegant case design. The superior image performance and project-oriented features make the Ultra series HDCVI camera an ideal choice for mid to large-size business 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 ±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

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)

Interface

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

Eelectrical

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

Dimensions (mm/inch)

144.4 [5.69"]
136.9 [5.39"]
75.5 [2.97"]
63.6 [2.5"]

Accessories

Optional:

PFB110W
Wall/ceiling/
plane mount

PFB121W
Wall mount

PLZ1040-D
Lens

PLZ1140-D
Lens
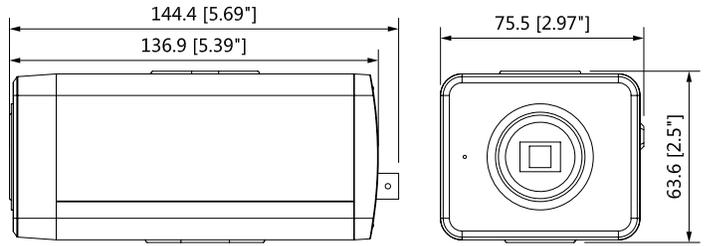
Wall Mount	Ceiling Mount
PFB121W	PFB110W

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