DHU14992

8MP HDCVI WDR IR-Bullet Camera

- · 1/2" 8Megapixel progressive scan CMOS
- · 3x optical motorized zoom lens
- · **Max.** 15fps@3840×2160
- · 120db true WDR,2D&3D NR
- · Intelligent functions
- · **Max.**100m IR distance,smart IR
- · IP67&IK10 ingress protection
- · Dual voltage input(DC 12v±25%/AC 24V±25%)
- · DC12V voltage output
- · Up to 500m transmission with 75-3 coaxial cable

System Overview

Ultra 4K HDCVI series product adopts high performance ISP and advanced image sensor technology, which can bring vaster coverage and superiorer image details in 7/24 with the 4K resolution and motorized zoom lens. That makes it easy to collect evidence and effective retrospective analysis. As the world's 1st 4K coaxial HD technology 4K-CVI technology also offers the following main benefits e.g.seamless upgrade,easy to use and best cost performance that bringing extra business value for customers; IP67, IK10 and heater compliance enables the product to be applied in a more harsh environment.

Functions

4K Technology

4K technology as a revolutionary breakthrough in image, which enhance the expressive image of essence, allowing users to experience the best picture quality brought about by the visual feast . For the purposes of 4K surveillance with four times the 1080P resolution, presented to the user with more details . Under the same scenario by raising the amount of pixels with the larger sensor it will reduce the total quantity of cameras and finally lower the whole project cost.

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 real-time transmission at long distance without any loss. It supports up to 700m transmission for 4K and 4MP HD video via coaxial cable, and up to 300m 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 ana-log system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Multi-outputs

The camera supports HDCVI and CVBS signal outputs simultaneously with two BNC connectors.Multi-outputs facilitates construction in such situations as debugging through a tester. It also offers the possibility for cooperating with multiple devices including analog matrix or monitor.

Smart IR

The camera is designed with array LED IR illumination for best lowlight performance at maximum distance. 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 comes closer to the camera.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide amazing usable video.

Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. making it suitable for most environment such as bank,manufacturing and commercial facilities.
Supporting dual voltage input (DC 12V±25%/AC 24V±25%) and DC12V output . 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

Camera

Image Sensor	1/2" CMOS
Effective Pixels	3840(H)×2160(V), 8MP
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/100,00s
Minimum Illumination	0.0012Lux/F1.5(Color), 0.0001lux/F1.5(B/W)
S/N Ratio	More than 65dB
IR Distance	Up to 100m (328feet)
IR On/Off Control	Auto / Manual
IR LEDs	4

Lens

Lens Type	Motorized lens / Auto iris
Mount Type	Board-in
Focal Length	3.7-11mm
Max Aperture	F1.5
Angle of View	H: 46°~112°
Focus Control	Auto / Manual
Close Focus Distance	0.2m 7.87"

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°

Video

Resolution	8MP (3840×2160)
Frame Rate	PAL:3840×2160@12.5fps,2560x1440@25fps; NTSC:3840×2160@15fps,2560x1440@30fps;
Video Output	1-channel HDCVI video output & 1-channel CVBS video output
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / WDR
WDR	120dB
Gain Control	AGC
Noise Reduction	2D/3D
White Balance	Auto / Manual
Smart IR	Auto / Manual

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 I/O	2/1

Eelectrical

Power Supply	12V DC ±25%/24V AC ±25%
Power Output	DC 12V
Power Consumption	Max 7W (12V DC)

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	IP67&IK10

Construction

Casing	Aluminium
Dimensions	273.2mm×95.0mm×95.0mm (10.76"×3.74"×3.74")
Net Weight	1.16kg (2.56lb)
Gross Weight	1.52kg (3.35lb)

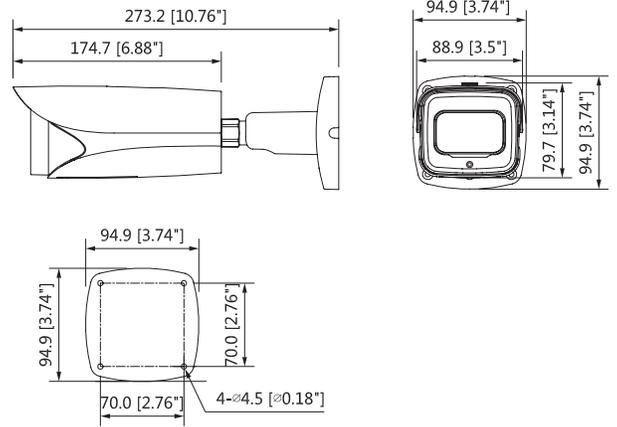## Accessories

Optional:

PFA121
Junction box

PFA152
Pole mount
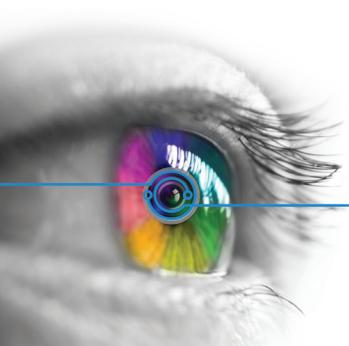

PFM800
Passive HDCVI Balun

PFM810
POC Transceiver

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Dimensions (mm/inch)

273.2 [10.76"]
174.7 [6.88"]

94.9 [3.74"]
88.9 [3.5"]
79.7 [3.14"]
94.9 [3.74"]

94.9 [3.74"]
94.9 [3.74"]
70.0 [2.76"]
70.0 [2.76"]
4-∅4.5 [∅0.18"]

SEADAN PRODUCT NUMBER

DHU14992 (DH-HAC-HFW3802E-Z)

seadan
security & electronics

You're in very secure company

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