

DHU14991

8MP HDCVI WDR Box Camera

HDCVI



- 4/3" 8Megapixel progressive scan CMOS
- M43 lens interface
- 30fps@3840×2160(HDMI)/15fps@3840×2160(BNC)
- DWDR, Ultra WDR 140db
- Ultra-low starlight technology,2D&3D NR
- HDMI video output directly
- Built-in Mic
- Software upgrade with USB
- Intelligent functions
- 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 superior image details in 24/7 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.

M43 Lens

As we all knows lens is one of the key components that affects the surveillance image quality.For providing the best image to our customers we designed innovatively with M43 lens interface on HF3805G which is used on SLR normally which is the 1st application at the video surveillance .That means it works with all kinds of M43 lens include fixed and motorized zoom type on the market according to what do you want to see with this camera.

Starlight

With the adoption of high performance sensor, the camera is able to provide incomparable performance even under extreme lowlight environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination with up to 140db WDR funtion.

Multi-outputs

The camera supports video outputs simultaneously with a HDMI and a BNC connector. In addition HDMI port can output video to the display screen or link to the HDMI decoder directly without a backend. Multi-outputs facilitates construction in such situations as debugging through a tester.

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.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. Ultra WDR (140dB) optimizes both the bright and dark areas of a scene at the same time to provide amazing usable video.

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%). 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	4/3" CMOS
Effective Pixels	3840(H)×2160(V), 8MP
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/100,00s
Minimum Illumination	0.001Lux/F1.2(Color), 0.0001lux/F1.2(B/W)
S/N Ratio	More than 65dB
IR Distance	NA
IR On/Off Control	NA
IR LEDs	NA
Audio In	Built-in Mic

Lens

Lens Type	External
Mount Type	M43
Focal Length	NA
Max Aperture	NA
Angle of View	NA
Focus Control	N/A
Close Focus Distance	NA

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: NA Tilt: NA Rotation: NA
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Video

Resolution	8MP (3840×2160)
Frame Rate	PAL:4K@12.5fps;4M@25fps NTSC:4K@15fps;4M@30fps
Video Output	1-channel HDMI video output & 1-channel BNC video output
Day/Night	Auto (Electronic) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / WDR
WDR	140dB
Gain Control	AGC
Noise Reduction	2D/3D
White Balance	Auto / Manual
Smart IR	NA

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 I/O	2/1

Electrical

Power Supply	12V DC ±25%/24V AC ±25%
Power Consumption	Max 9W (DC12V)

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	NA

Construction

Casing	Aluminium
Dimensions	132mm×82mm×73.7mm (5.20"×3.23"×2.90")
Net Weight	0.41kg (0.9lb)
Gross Weight	0.45kg (0.99lb)

Accessories

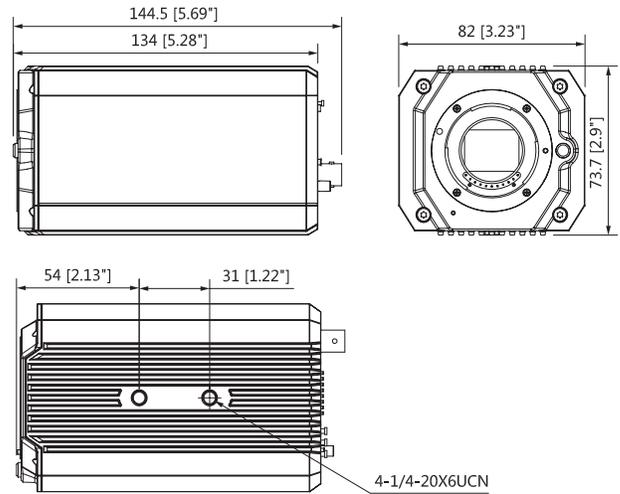
Optional:



PFM800-4MP
Passive HDCVI Balun

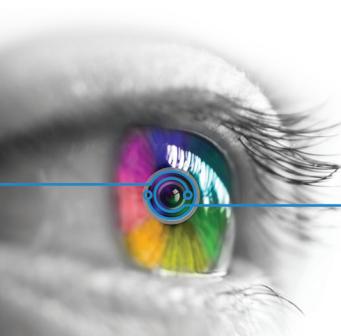
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Dimensions (mm/inch)



SEADAN PRODUCT NUMBER

DHU14991 (DH-HAC-HF3805G)



You're in very secure company

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20170525