

DH-HAC-HDBW3802E-Z

8MP HDCVI WDR IR-Dome Camera

HDCVI



- · 1/2" 8Megapixel progressive scan CMOS
- · 3x optical motorized zoom lens
- · Max. 15fps@3840×2160
- · 120db true WDR,2D&3D NR
- · Intelligent functions
- Max.50m IR distance, smart IR
- · IP67&IK10 ingress protection
- · Dual voltage input(DC 120225%/AC 24V±25%)
- · DC12V voltage output
- · Up to 500m transmission with RG59 coaxial cable













System Overview

The 4K HDCVI camera adopts a high performance ISP and advanced 1/2" 8MP image sensor, ultra-long IR range, and motorized zoom lens, enabling a wider range of coverage and superior image details with 4K resolution. That makes it easy to collect evidence for effective playback and analysis. Its wide field of view and 4K resolution makes the camera an ideal choice for large-size businesses and places such as airports, stadiums, parking lots, and shopping malls.

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 with more details and wider coverage 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. Undo the same scenario by raising the amount of pixels with the larger sector it will reduce the total quantity of cameras and finally lower the value project cost.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audic data and power. Dual-way data transmission allows the HDCVI came to interact with the HCVR, such as sending control signal or triggering larm. Moreover, HDCVI technology supports PoC for construction flat bility.

* Audio input is available for some model 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 cape, and up to 300m via UTP cable.*

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

Simplicity \

HDCVI tecknology inherits the born feature of simplicity from traditional analog weillance 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-outputs

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

mart 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. Ture 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 & Power Output

The camera's outstanding reliability is unsurpassed due to its rugged design. IP67&IK10 ingress protection makes it suitable for most environment such as bank,manufacturing and commercial facilities.

Supporting dual voltage input (DC 12V±25%/AC 24V±25%) and DC12V max 4W voltage 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.

Ultra Series | DH-HAC-HDBW3802E-Z

Camera				
Image Sensor	1/2" CMOS			
Effective Pixels	3840(H)×2160(V), 8M	P		
Scanning System	Progressive			
Electronic Shutter Speed	1/1s~1/100,00s			
Minimum Illumination	0.01Lux/F1.5(Color), 30IRE,0lux/F1.5(B/W)			
S/N Ratio	More than 65dB			
IR Distance	Up to 50m (164feet)			
IR On/Off Control	Auto / Manual	Auto / Manual		
IR LEDs	3			
Lens				
Lens Type	Motorized lens / Auto iris			
Mount Type	Board-in			
Focal Length	3.7-11mm			
Max Aperture	F1.5			
Angle of View	H: 112°~46°			
Focus Control	Auto / Manual			
Close Focus Distance	0.2m 7.87"			
DORI Distance				
Note: The DORI distance is a "gen pinpoint the right camera for you sensor specification and lab test r criteria for Detect, Observe, Reco	esult according to EN 626	576-4 which defi	\sim $^{\circ}$	
	DORI	Distance	»	
	Definition	Wide	Tele	
Detect	25px/m (8px/ft)	(273ft)	190m(624f	
Observe	63px/m (19px/ft)	33m(109ft)	76m(250ft)	
Recognize	125px/m (38	17m(54ft)	38m(125ft)	
Identify	250ppm (76px/ft)	8m(27ft)	19m(62ft)	
Pan / Tilt / Rotation				
Pan/Tilt/Rotation	Pn: 0° ~ 355° Tilt: 0° ~ 65° Rotation: 0° ~ 355°			
Video				
Resolution	8MP (3840×2160)	8MP (3840×2160)		
Frame Rate	PAL:3840×2160@12.5fps,2560x1440@25fps; NTSC:3840×2160@15fps,2560x1440@30fps;			
Video Quo ut	1-channel HDCVI 4K v video output	1-channel HDCVI 4K video output & 1-channel CVB video output		
Day/Night	Auto (ICR) / Manual			

Multi-language

OSD Menu

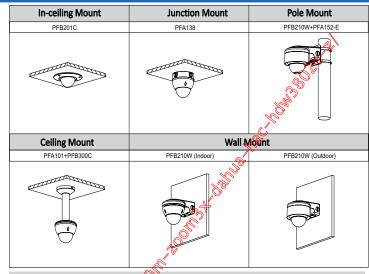
BLC Mode	BLC / HLC / WDR
WDR	120dB AGC 2D/3D Auto / Manual Auto / Manual
Gain Control	AGC Q
Noise Reduction	2D/3D
White Balance	Auto / Manual
Smart IR	Auto / Manual
Certifications	
Certifications	CE (EN5503) EN55024, EN50130-4) FCC (CFB 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (1950950-1+CAN/CSA 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/Max 4W
Power consumption	Max 12.4W
wironmental	
Operating Conditions	-30°C $^{\sim}$ +60°C (-22°F $^{\sim}$ +140°F) / Less than 95% RH * Start up should be done at above-30°C (-22°F)
Storage Conditions	-30°C $^{\sim}$ +60°C (-22°F $^{\sim}$ +140°F) / Less than 95% RH
Ingress Protection & Vandal Resistance	IP67&IK10
Construction	
Casing	Aluminium
Dimensions	Φ159.1mm×117.9mm (Φ6.26"×4.64")
Net Weight	0.90kg (1.98lb)
	WDR Gain Control Noise Reduction White Balance Smart IR Certifications Certifications Interface Audio Interface Alarm I/O Eelectrical Power Supply Power Output Power Consumption Environmental Operating Conditions Storage Conditions Ingress Protection & Vandal Resistance Construction Casing Dimensions

1.20kg (2.65lb)

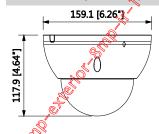
Gross Weight

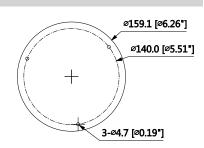
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Ordering Information			
Туре	Part Number	Description	
8MP Camera	DH-HAC-HDBW3802EP-Z-3711	8Megapixel 4K WDR IR-Bullet Camera, PAL	
	DH-HAC-HDBW3802EN-Z-3711	8Megapixel 4K WDR IR-Bullet Camera , NTSC	
Accessories	PFA138	Junction box (For use alone)	
	PFB210W	Wall mount (For use alone or with PFA152-E pole mount)	
	PFA152-E	Pole mount (For use with PFB210W wall mount)	
	PFA101	Mount adapter (For use with PFB300C ceiling mount)	
	PFB300C	Ceiling mount (For use with PFA101 mount adapter)	
	PFB201C	In-ceiling mount	
	PFM800-E	1 Channel Passive HDCVI Balun	
	PFM320	12V 2A Power Adapter	
	PFM320D-015	12V 1.5A Power Adapter	



Dimensions (mm/inch)





Dimensions (mm/inch)

Optional:







PFA138 Junction box

PFB210W Wall mount

PFA152-E Pole mount







PFB300C Ceiling mount



PFB201C In-ceiling mount



PFM800-E Passive HDCVI Balun



PM320 12V 2A Power Adapter



PFM320D-015 Power Adapter