

HDVD-EL8IRZ

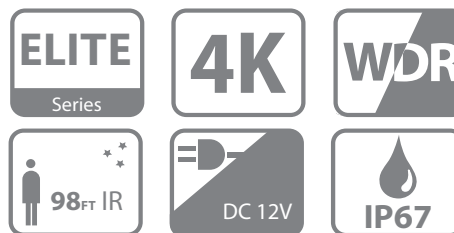
8MP 4-in-1 Vandal Dome Camera



- 120dB true WDR, 3D NR
- Max 4K resolution
- CVI/CVBS/AHD/TVI switchable
- Auto focus, 2.7-13.5mm motorized lens
- Max IR length 98FT

System Overview

Experience surveillance with the simplicity of reusing existing coaxial infrastructure. This 4K HDCVI camera adopts a powerful and advanced 1/2.7" CMOS sensor, which provides superior-high-quality images. In addition, the camera features broadcast-quality audio to provide enhanced supplementary evidence collection. Ultra-high-definition and a complete set of features make this 4K HDCVI camera an ideal choice for mid to large-size businesses and projects where both highly reliable surveillance and construction flexibility are demanded indoors or outdoors, for office or home applications you can't go wrong with this Varifocal Vandal Dome.



Features

HD-over-Coax

HD-over-Coax is an analog high definition (HD) video standard transmitting over coaxial cable. The technology provides transmission of HD video as well as audio, and two-way control data over long distances. You can implement an HD system using the same coax cables that your existing analog system is running on. HD-over-Coax installs just like analog cameras, no fiber, no configuring, and no special training required.

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.

4-in-1 (CVI, TVI, AHD, Analog)

4-in-1 Security cameras have replaced older analog only surveillance cameras also known as 960H cameras or CCTV cameras. 4-in-1 Security cameras are considered "universal cameras" because they can output three types of HD over Coax video signals (HD-CVI, HD-TVI, AHD) and analog resolution video (CVBS).

WDR (Wide Dynamic Range)

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

3D DNR (Digital Noise Reduction)

Have you ever taken a picture or video outside in the dark (without flash)? You've probably noticed that it can sometimes turn out to be very grainy. In technical terms, this is called noise. Noise is any unwanted interference in the signal. The latest form of Digital Noise Reduction is 3D-DNR. It compares every pixel with the pixels surrounding it in addition to every frame with the next. With 3D-DNR, a thorough processing of the image is applied, including the background. This results in a clearer image than traditional DNR and less space is taken on the hard disk drive.

Smart IR

Smart IR is a technology built into some security cameras that adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object so that the infrared does not overexpose the object.

Protection (IP67, IK10)

This camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with an IP67 ranking, making it suitable for indoor or outdoor environments. The camera complies with an IK10 vandal resistance rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force, dropped from a height of 40 cm (15.75 in). Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection for the camera and its structure against the effects of lightning.

Technical Specification

Camera

Image Sensor	1/2.7 inch CMOS
Effective Pixels	3840 (H)×2160 (V), 4K
Electronic Shutter Speed	PAL:1/3s–1/100000s NTSC:1/4s–1/100000s
Minimum Illumination	0.03Lux/F1.7, 30IRE, 0Lux IR on
IR Distance	Distance up to 30m (98.42ft)
IR On/Off Control	Auto; manual
IR LED Number	2
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°

Lens

Lens Type	Motorized vari-focal				
Mount Type	φ14				
Focal Length	2.7mm–13.5mm				
Max. Aperture	F1.7				
Angle of View	Horizontal: 105°–33° Vertical: 56°–18° Diagonal: 126°–38°				
Iris Type	Fixed iris				
Auto Focus	Yes				
Close Focus Distance	0.8m (2.62ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	Wide-angle	90m (295ft)	36m (118ft)	18m (59ft)	9m (30ft)
	Telephoto	264m (866ft)	106m (348ft)	53m (174ft)	26m (85ft)

Video

Video Frame Rate	CVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps; CVBS: PAL/NTSC AHD: 5M@20fps; 4M@25fps/30fps TVI: 5M@20fps; 4M@25fps/30fps
Resolution	4K (3840×2160); 5M (2592×1944); 4M (2560×1440); 960H (960×576/960×480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/WDR
WDR	120dB/WDR
White Balance	Auto; manual
Gain Control	Auto; manual
Noise Reduction	2D&3D NR
Smart IR	Yes
Electronic Defog	Yes
Digital Zoom	4X
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

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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Port

Video Port	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
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Power

Power Supply	12V ±30% DC
Power Consumption	Max 6.9W (12V DC, IR on)

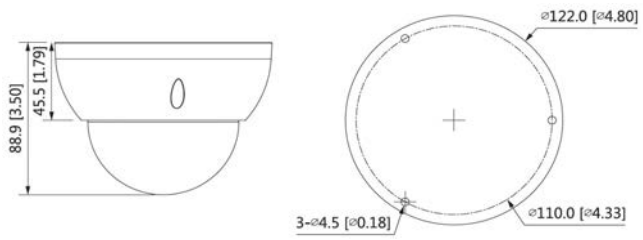
Environment

Operating Temperature	-30°C to +60°C (-22°F to 140°F); <95% (non-condensation)
Storage Temperature	-30°C to +60°C (-22°F to 140°F); <95% (non-condensation)
Protection Grade	IP67; IK10

Structure

Casing	Metal throughout the whole casing
Dimensions	Φ122mm×88.9mm (Φ4.80"×3.50")
Net Weight	0.44kg (0.97lb)
Gross Weight	0.6kg (1.32lb)

Dimensions



Accessories

