

HDVD-EL8IR28

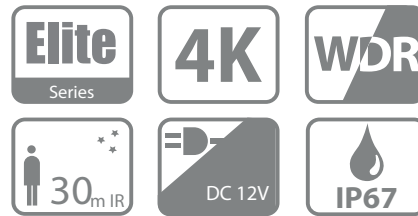
8MP 4-in-1 Vandal Dome



System Overview

This HD CVI 8MP Vandal Dome Security Camera comes with features like WDR, IR, and a 2.8mm fixed lens that offers a wide view, making this camera perfect for so many different situations. The built-in Smart IR allows you to see up to 98 feet in low light situations and even total darkness. This camera features True WDR at 120dB which takes video that is overexposed and combines it with underexposed video to give you a better balanced image without the glare, and it's all in crisp, clear 4K. This ultra-high definition 8MP HD CVI Vandal dome security camera is an Elite series security product and while it will be compatible with many recorders, it will work best with any of our Elite PENDVRs.

- 120dB true WDR, 3D NR
- Max. 4K resolution
- CVI/CVBS/AHD/TVI switchable
- Fixed 2.8mm lens
- Max. IR length 30m, smart IR
- IP67, IK10, 12V±30% DC



Features

HD-over-Coax

HD-over-Coax is a new 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.

Multi-formats

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). The ability to easily switch video output from the cameras dipswitch makes them compatible with all the popular security DVRs.

Wide Dynamic Range (WDR)

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.

Advanced 3DNR

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.

Protection

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 ±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/F2.0, 30IRE, 0Lux IR on
IR Distance	Distance up to 30m (98.42ft)
IR On/Off Control	Auto;manual
IR LED Number	12
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–65° Rotation: 0°–355°

Lens

Lens Type	Fixed focal
Mount Type	M12
Focal Length	2.8mm
Max. Aperture	F2.0
Angle of View	125°×105°×56° (diagonal×horizontal×vertical)
Iris Type	Fixed iris
Close Focus Distance	1m/1.8m (3.28ft/5.9ft)

Video

Video Frame Rate	CVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps; CVBS: PAL/NTSC AHD: 4K@15fps; 5M@20fps; 4M@25fps/30fps TVI: 4K@15fps; 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 4.8W (12V DC, IR on)

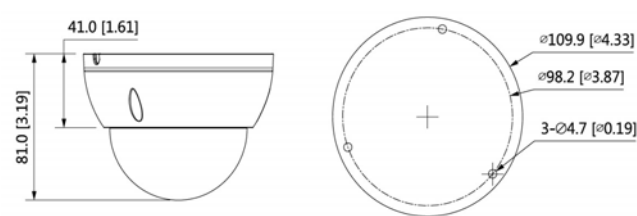
Environment

Operating Temperature	-40°C to +60°C (-40°F to 140°F);<95% (non-condensation)
Storage Temperature	-40°C to +60°C (-40°F to 140°F);<95% (non-condensation)
Protection Grade	IP67; IK10

Structure

Casing	Metal throughout the whole casing
Dimensions	Φ109.9mm×81.0mm (Φ4.33"×3.19")
Net Weight	0.32kg (0.71lb)
Gross Weight	0.46kg (1.01lb)

Dimensions



Accessories

