

CE102D NETWORK INDOOR IR CAMERA DOME



- 1080p resolution
- True day/night camera with integral fixed lens
- H.264 high-profile, MPEG-4 and M-JPEG compression
- Built-in IR LEDs
- 0.2 lux low light capabilities @ 50 IRE
- Power-over-Ethernet (IEEE 802.3af) or 12 VDC
- Triple streaming video
- Surface mounting

Overview

Vicon's CE102D-NIR Camera Dome is designed for indoor security installations. This cost-effective fixed network camera includes an integral 3.7 mm megapixel fixed lens. The 1080p resolution delivers crisp clear images.

The CE102D-NIR provides triple-streaming video and supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. MPEG-4 and M-JPEG compressions are also provided. Privacy masking and motion detection features are provided.

Installation of the CE102D-NIR is made easy and cost effective with Power over Ethernet (IEEE 802.3af), which eliminates the need for power cables. The camera also accepts 12 VDC.

The true day/night camera includes a removable IR-cut filter for superior image quality around the clock; 24 IR LEDs provide illumination up to 65 ft (20 m). The camera dome can be manually tilted for a range of views.

Model Descriptions

Resolution	Lens	Model Number
1080p	3.7 mm fixed	CE102D-NIR

Model	CE102D-NIR
Image Sensor:	1/2.8-inch Sony Exmor CMOS; progressive scan
Max Resolution:	1920 x 1080p
Image Settings:	Adjustable bit rate. Flip and mirror. Configurable brightness, contrast, color, hue, sharpness. Auto Exposure (AE). Auto White Balance (AWB). Noise reduction (2DNR). Automatic or manual day/night mode. BLC (Backlight Compensation). Privacy Masks (8 windows). Motion detection (8 zones).
Shutter Speed:	1/30 -1/20,000 sec; slow shutter control: 1/4, 1/8, 1/15 sec
Day/Night Performance:	IR cut filter, True Day/Night
Minimum Illumination:	Color: 0.2 lux; B/W: 0.0 lux; @f/1.8, 50 IRE, IR On
IR Illuminators:	24 IR LEDs; 65 ft (20 m)

Lenses

Focal Length:	Megapixel 3.7 mm fixed
Max. Aperture:	f/1.8
Horizontal Field of View:	90.0°

Network Video Transmission

Network:	10Base-T, 100Base-TX, RJ-45
Image Compression:	H.264; MPEG-4; MJPEG
Resolution:	Full HD (1920x1080), SXGA (1280x1024), HD (1280x720), D1 (720x480), VGA (640x480), CIF (352x240), QVGA (320x240)
Protocol:	IPv4, IPv6, Manual, TCP, IP, HTTP, HTTPS, RTSP/RTP/RTCP, SMTP, DHCP, NTP, DDNS, UDP, FTP, Bonjour
Frame Rate:	30 fps at all resolutions
Streams:	Triple streaming
Users:	Live viewing for up to 10 clients
Web Browser:	Internet Explorer®, Safari®, Google Chrome®, Firefox®
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, password protection

Mechanical and Electrical

Construction:	Plastic base and clear plastic dome
Camera Angle of Adjustment:	Tilt 60°
Mounting:	Surface mount
Dimensions:	4.7 in. (120 mm) (Diam) x 3.5 in. (87.9 mm) (H), 3.9 in. (100 mm) (Dome Diam)
Weight:	0.74 lb (335 g)
Input Power:	12 VDC, PoE (IEEE 802.3af Class 0)
Current:	12 VDC: 500 mA; PoE: 125 mA
Power Consumption:	6 W (IR On)
Storage:	Slot for Micro SD card (card not supplied)

Environmental

Operating Conditions:	Temp: 14 to 113° F (-10 to 45° C); Humidity: 0 to 80%, non-condensing
Approvals:	FCC Class A, CE
Warranty:	3 years

Controls and Connectors

Controls:	LED: status. Reset Button: sets factory defaults.
Connectors:	Power: 12 VDC: jack for power supply; PoE/Network: RJ-45 CAT 5. Local Storage: Micro SD card slot.

Dimensional Drawing

Unit: mm

