V840D MICRO DOME SERIES NETWORK VANDAL DOME CAMERAS

VICON

Product at a Glance

- 2 and 4 MP models available
- H.265/H.264 compression
- True WDR (120 dB)
- Smart IR (49 ft/15 m range)
- Fixed 2.8 mm lens
- 0.03 lux low light capabilities (color)
- Triple streaming
- Smart encoding
- Video Content Analysis (VCA)
- Museum Search
- Power-over-Ethernet (PoE);12 VDC
- Two-way audio; built-in microphone
- SD card slot for on-camera storage
- IP66; IK10 vandal-resistant

Onvif
Driving network video through global standardization

Overview

Vicon's fixed V840D Micro Dome series is designed for security installations that require a small form factor vandal dome. It is available in 2 MP and 4 MP resolution with a 2.8 mm fixed lenses. The camera includes IR illuminators.

The micro dome provides triple streaming and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth. The camera provides Smart Encoding, which monitors the amount of motion in a scene, resulting in overall savings in storage requirements and bandwidth. It provides a built-in microphone.

The camera dome is designed for easy installation. Power-over-Ethernet (IEEE 802.3af) eliminates the need for power cables, providing a cost-effective method of installation. The camera also accepts 12 VDC. The micro dome can be mounted on a wall or ceiling and provides 3-axis adjustment for any angle of view.

The true day/night progressive scan camera also includes a removable IR cut filter for superior image quality in all lighting conditions. Wide Dynamic Range (120 dB) further improves picture quality by balancing the high contrast between bright and dark areas in scenes, providing one clear image.

The micro dome is IP66 rated and IK10 vandal-resistant

V840D MICRO DOME SERIES

SPECIFICATIONS

Model	V842D-28IR	V844D-W28IR
Image Sensor:	1/2.9 inch progressive scan CMOS	1/3 inch progressive scan CMOS
Max Resolution:	2 MP	4 MP
Image Settings:	Configurable brightness, contrast, saturation, chroma, sharpness. White balance. Day/night mode. Dynamic Noise Reduction (2D/3D). Motion detection (4 programmable zones). ROI (8 areas). Defog (digital). HLC/BLC. Corridor mode. OSD (8). Privacy masking (8 masks). Digital zoom. Event notification.	
Video Content Analysis:	Behavior detection; Intrusion; Line cross; Motion detection; Recognition (face and audio detection); Intelligent identification (defocus, scene change); Statistical Analysis (people counting)	
Day/Night Performance:	True day/night (IR cut filter)	
Shutter	Auto/Manual: 1/6 - 1/100000 sec	
Wide Dynamic Range	WDR	True WDR; 120 dB
Signal-to-Noise:	≥ 52 dB	≥ 55 dB
Minimum Illumination:	Color: 0.005 lux; BW: 0.0 lux (IR On) @F2.0, AGC On	Color: 0.03 lux; BW: 0.0 lux (IR On) @F2.0, AGC On
IR Distance:	49 ft (15 m)	

Lenses

Focal Length:	2.8 mm	
Max. Aperture:	f/2.0	
Iris:	Fixed Iris	
Zoom/Focus Adjust:	Fixed	
Field of View Horizontal/Vertical:	107.8°/56.7°	104.4°/54.4°

Network Video Transmission

Network:	10Base-T, 100Base-TX, RJ-45	
Image Compression:	H.264; H.265; M-JPEG	
Resolution:	1920x1080 (1080P), 720 x 576 (D1)	2592x1520 (4 MP), 2048×1520 (3MP), (1920x1080 (1080P), 720 x 576 (D1)
Protocol:	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSI, TLS	
Frame Rate:	Main stream: 2 MP (1920x1080), 30 fps max. Sub Stream: 2 MP (1920x1080), 30 fps max. Third Stream: D1 (720x576), 30 fps max.	Main stream: 4 MP (2592x1520), 20 fps max.; 4 MP (2560x1440), 25 fps max.; 3 MP (2048x1520), 30 fps max. Sub Stream: 2 MP (1920x1080), 30 fps max. Third Stream: D1 (720x576), 30 fps max.
Streams:	Triple streams: H.264/H.265 - 2; M-JPEG - 1	
Users:	1 administrator; 31 users	
Web Browser:	Internet Explorer 7.0 or later	
Security:	Multi-user authority, IP address filtering, HTTPS encrypted video & data transmission, TLS, SSL, password protection	
Audio Streaming:	1 input (built-in mic)/1 output; 2-way G.711 codec	

Mechanical

Construction:	Aluminum housing; polycarbonate clear dome
Camera Angle of Adjustment:	3-axis adjustment, pan 60°, tilt 90° and roll 360° (azimuth).
Mounting:	Surface mount, wall or ceiling; 4x4 electrical box (adapter required); variety of mounting options
Dimensions:	4.3 in. (110 mm) (Diam) 2.4 in. (61 mm) (H)
Weight:	0.55 lb (0.25 kg)

VICON

www.vicon-security.com

V840D MICRO DOME SERIES

SPECIFICATIONS

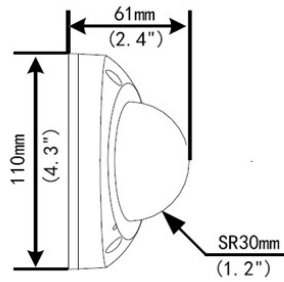### Electrical

Input Power:	PoE (IEEE 802.3af); 12 VDC
Current (IR on):	0.42 A
Power Consumption (IR on):	5 W
Storage:	Slot for SD card on camera (128G max; card not supplied)

Controls and Connectors

Connectors:	Power: standard jack for adapter; PoE/Network: RJ-45 CAT 5. Audio In and Out: flying leads; Local Storage: SD card slot. Built-in microphone.

Environmental

Operating Conditions:	-31 to 140° F (-35 to 60° C) Humidity: up to 95%, non-condensing
Approvals:	UL; FCC Class A, CE; IP66; IK10
Warranty:	3 years

Dimension Drawing [mm (in.)]

Ordering Information

Resolution	Lens	Model Number
2 MP	2.8 mm fixed	V842D-28IR
4 MP	2.8 mm fixed	V844D-W28IR
Mounting Accessories		
Adapter plate for mounting to 4x4 electrical box	Used to mount the dome camera to a 4x4 electrical box	V840D-PLATE
Wall Mount	For wall mounting	V840D-WM
Wall Mount/Backbox	For wall mounting; integral backbox	V840D-WMBOX
Wedge mount	Allows camera to be surface mounted tilted to maintain full view	V840D-WDG
Backbox	For ease of cabling	V840D-BOX

V840D-PLATE   V840D-WM   V840D-WMBOX   V840D-WDG   V840D-BOX

VICON