

Vicon Introduces the New HD Micro Dome Camera for Discreet Video Surveillance



Vicon's new HD Micro Dome camera, one of the industry's smallest high-definition dome cameras, enables a cost-effective transition into HD video surveillance.

Vicon introduces the V840D Micro Dome series, its micro-sized cost-effective solution for unobstructive surveillance applications. 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. These cameras, designed for indoor/outdoor use, can be surface mounted on a wall or ceiling and provide 3-axis adjustment; a variety of mounting accessories are available for almost any mounting solution. The camera includes IR illuminators for stronger low light performance.

These new micro dome cameras do it all to deliver a superior experience when a fixed lens solution is right for your application. Designed to be discreet and feature-rich, these small cameras deliver high performance now and will future-proof the system for real ROI over time. For applications with strong backlighting or reflections, wide dynamic range technology is available. In challenging low-light applications, this series offers best-in-class light sensitivity that captures details in very low-light.

These domes are in stock and shipping now.

Product at a Glance

2 MP & 4 MP models available
H.265/H.264 compression
True WDR (120 dB) - 4 MP model
Smart IR (49 ft/15 m range)
Fixed 2.8 mm lens

0.005 lux sensitivity - 2 MP model
Triple streaming
Smart encoding
Video Content Analysis (VCA)
Museum Search

Power-over-Ethernet (PoE); 12 VDC
Two-way audio
SD card slot for on-camera storage
IP66; IK10 vandal-resistant

ORDERING INFORMATION

Model Number	Product Code	Description
V842D-28IR	10503-00	Vandal Micro Dome; 2 MP; 2.8 mm fixed lens; IR illuminators
V844D-W28IR	10503-20	Vandal Micro Dome; 4 MP; 2.8 mm fixed lens; true WDR; IR illuminators
V840D-PLATE	10503-50	Adapter Plate; used to mount the V840D camera to a 4x4 electrical box
VV840D-WDG	10503-52	Wedge Mount; allows the V840D camera to mount to a surface on a tilt for full view
V840D-BOX	10503-55	For ease of cabling
V840D-WM	10503-51	For wall mounting
V840D-WMBOX	10503-54	Wall Mount with Integral Backbox; for ease of cabling for V840D camera; includes junction box



V840D-PLATE
Adapter



V840D-WM
Wall mount



V840D-WMBOX
Backbox



V840D-WDG
Wedge mount



V840D-BOX
Wall mount

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; Audio detection; Intelligent identification (defocus, scene change); Statistical Analysis (people counting - future)	
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°

VICON SALES ALERT

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), 2048x1520 (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	
Alarm:	1 input/1 output	
Audio Streaming:	1 input (built-in mic)/1 output; 2-way G.711 codec	
Mechanical and Electrical		
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 accessories	
Dimensions:	4.3 in. (110 mm) (Diam) 2.4 in. (61 mm) (H)	
Weight:	0.55 lb (0.25 kg)	
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.	
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	

Please contact your regional sales representative or visit www.vicon-security.com for more information.

