



Product at a Glance

- ▶ 2 MP and 5 MP models
- ▶ True WDR (120 dB)
- ▶ H.265/H.264 compression; M-JPEG compression
- ▶ 49 ft/15 m IR range; Adaptive IR/Smart IR
- ▶ Fixed 2.8 mm lens
- ▶ Triple streaming
- ▶ Smart Encoding
- ▶ VCA; Museum Search
- ▶ Power-over-Ethernet (PoE)
- ▶ SD card slot for on-camera storage
- ▶ IP67 rated for outdoor environments
- ▶ IK10 rated for impact protection
- ▶ NDAA/GSA/TAA compliant
- ▶ Surface mounting on wall or ceiling

Overview

Vicon's V2000D Series of HD IP Micro-Dome Cameras is designed for performance in the most demanding security installations. There are 2 MP and 5 MP models with a fixed 2.8 mm lens.

The V2000D Mini-Dome provides triple streaming video and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth. Smart encoding effectively enhances video encoding efficiency and further reduces transmission rate and improves storage capacity.

The mini-dome camera 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 dome camera can be mounted on a wall or ceiling. Refer to Ordering Information for details on accessories and other mounting options.

The true day/night progressive scan camera includes a removable IR cut filter for superior image quality in all lighting conditions. True Wide Dynamic Range (120 dB) further improves video exposure quality in scenes with high contrast between bright and dark areas. Smart IR adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object and built-in Adaptive IR adjusts the IR output dynamically to prevent oversaturation in the scene as the light changes.

For protection against the elements, the camera dome is IP67 rated with a IK10 vandal-proof casing to withstand rain, dust, and vandalism. The camera meets the latest regulations required to be NDAA, GSA schedule and TAA approved.

The camera can be used with Vicon Valerus™ as well as many other popular VMS systems; each VMS may support different camera functions.

Specifications

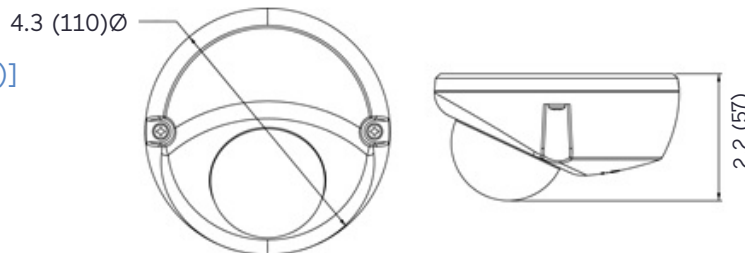
Model	V2002D-W28IR	V2005D-W28IR
Image Sensor:	1/2.8-in.	
Max Resolution:	1920 x 1080 (1080p)	2592x1944 (5 MP)
Image Settings:	Digital image effects: defog, flip, and mirror and corridor. Configurable brightness, contrast, saturation, hue, sharpness. White balance. Backlight Compensation (BLC). HLC. Gain control. Gamma correction. Electronic shutter speed. Day/night mode. Dynamic Noise Reduction (3 DNR). Motion detection (4 programmable zones). Privacy masking (8 masks). Dynamic ROI. Event notification.	
Intelligent Video Analytics:	Motion, Tampering/Defocus, Intrusion, Loitering, Line Cross/Counting, Object Left/Removed, Area Counting, Wrong Direction	
Electronic Shutter Speed:	Auto (1/2 ~ 1/10,000 sec), manual	
Day/Night Performance:	True day/night (IR cut filter)	
Wide Dynamic Range	True WDR; 120 dB	
Minimum Illumination:	Color: 0.15 lux @f/2.0; BW: 0 lux, IR On	Color: 0.3 lux @f/2.0; BW: 0 lux, IR On
IR Distance:	Adaptive IR. Smart IR. 49 ft (15 m); 8 IR LEDs	
Lenses		
Focal Length:	2.8 mm fixed	
Max. Aperture:	f/1.8	
Zoom/Focus/Iris Adjust:	Fixed	
Field of View: Horizontal/Vertical	113°/61°	108°/84°
Network Video Transmission		
Network:	10/100Base-T/TX: RJ-45	
Image Compression:	H.264; H.265; M-JPEG	
Resolution:	2 MP: 1920x1080 (1080P), 1280x960/720, 800x600, 640x480, 640x360, 320x240 5 MP: 2592x1944/1520, 2560x1440, 2048x1536, 2304x1296, 1920x1080 (1080P), 1600x1200, 1440x1080, 1600x900, 1280x960/720, 800x600, 640x480/360, 320x240/180	
Protocol:	ARP, DHCP, DNS, FTP, HTTP, HTTPS, HLS, ICMP, IGMP, IPv4/6, LDAP, NTP, RTSP/RTCP/RTP, RTMP, QoS, SMTP, SNMP v1/2c/3, TCP, TLS/TLS, UDP, UPnP, 802.1X, UPnP, Bonjour, DDNS, PPPoE; ONVIF S/G/Q/T	
Frame Rate:	30/25 fps max	
Streams:	Triple streaming. 2 MP: Single: 2 MP@30fps; Dual: 2 MP@30fps + 1280x720@30fps; Triple: 2 MP@30fps + 1280x720@30fps + 640 x 360@30 fps 5 MP: Single: 5 MP@30fps; Dual: 5 MP@30fps + 1600x1200@30fps; Triple: 5 MP@30fps + 1600x1200@30fps + 640 x 480@30 fps	
Audio:	1 audio input/1 audio output; G.711 (a-law, μ-law)	
Users:	Live: 10 users	
Web Browser:	Internet Explorer 11®; Chrome®, Safari®, Firefox®, Microsoft® Edge	
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, IEEE 802.1X, Digest Authentication, Advanced Security	

Specifications

Mechanical	
Construction:	Dome housing: Aluminum. Dome bubble: polycarbonate.
Camera Angle of Adjustment:	3-axis adjustment. Pan: 0° - 180°; Tilt: 0° - 80°; Rotate: ±355°
Mounting:	Surface mount, wall or ceiling
Dimensions:	4.3 in. (110 mm) (Diam) x 2.2 in. (57 mm) (H)
Weight:	1.65 lb (0.75 kg)
Electrical	
Input Power:	PoE IEEE 802.3af class 3
Current:	0.2 A
Power Consumption:	9.6 W
Controls and Connectors	
Connectors:	PoE/Network: RJ-45 CAT 5; Audio Input/Output: terminal block. Reset button; Default button; Micro SD card slot for SDHC/SDXC card (128 G max; customer-supplied)
Environmental	
Operating Conditions:	Temperature: -4° to 131° F (-20° to 55° C) Humidity: up to 90%, non-condensing
Approvals:	FCC Class A, CE, IP67, IK10; ONVIF Profile S/T/G/Q, RoHS
Country of Origin:	Taiwan
Warranty:	3 years

Ordering Information		
Resolution	Lens	Model Number
2 MP	2.8 fixed	V2002D-W28IR
5 MP	2.8 fixed	V2005D-W28IR
Accessories		
Adapter Plate	Allows the V2000D micro dome to be mounted to a 4x4 electrical box	V2000D-MICRO-PLATE
Backbox	For ease of cabling	V2000D-MICRO-BOX
Pendant Mount	Provides pendant mounting configuration	V2000D-PM

Dimension Drawing [in. (mm)]



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