VICON

V2105D-W313MIR

Roughneck Dome Camera



NDAA GSA Onvif S/G/T TAA

Overview

For customers who need to monitor activity in a variety of lighting conditions, from bright light to complete darkness, Vicon's Roughneck® Dome integrates Smart IR, True WDR, and 5 MP resolution to guarantee superior image quality, regardless of lighting. The camera is protected by a weather-proof (IP67), vandal-resistant (IK10) enclosure, and generates an alert in the event someone attempts to obstruct or move the camera.

Product at a Glance

- 5 MP resolution
- True WDR ensures bright areas do not appear saturated and dark areas are not too dark
- Integrated Smart IR provides uniform illumination in total darkness for high-quality video from 98 ft (30m) away
- Remote zoom and focus lets you zoom in and out remotely with the click of a mouse
- Corridor mode - where the camera provides a 90° rotation so images are created vertically - maximizes the field-of-view in narrow situations (like hallways)

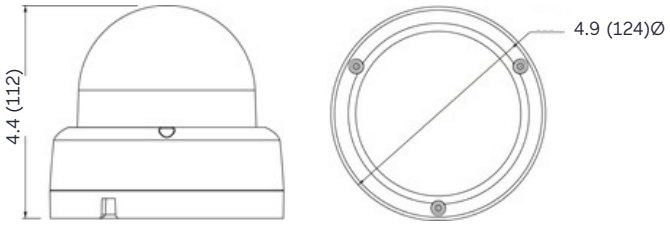
Specifications

Model	V2105D-W313MIR
Camera	
Image Sensor:	1/2.8-in.
Max Resolution:	2592 x 1944 (5 MP)
Image Settings:	Digital image effects: 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. Digital zoom. Event notification.
Video Content Analytics:	Motion, Tampering/Defocus. Museum Search.
Electronic Shutter Speed:	Auto (1/2 ~ 1/10,000 sec), manual
Day/Night Performance:	True day/night (IR cut filter)
Wide Dynamic Range (WDR):	True WDR; 120 dB
Minimum Illumination (@ 30 IRE):	Color: 0.05 lux; BW: 0.03 lux, IR Off; 0 lux, IR On
IR Distance:	Smart IR. 98 ft (30 m); 16 IR LEDs
Signal-to-Noise Ratio (SNR):	>50 dB
Lenses	
Focal Length:	3.1-10 mm; 3.2X optical zoom
Max. Aperture:	f/1.4 - f/2.8
Iris:	DC autoiris
Zoom/Focus Adjust:	Motorized zoom and focus
Field-of-View Horizontal/Vertical/Depth:	32° (tele) - 96° (wide)/24° (tele) - 69° (wide)/40° (tele) - 124° (wide)
Network Video Transmission	
Network:	10/1000Base-T/TX: RJ-45
Image Compression:	H.264; H.265; M-JPEG
Resolution:	2592×1944/1520, 2048×1536, 1920×1080 (1080P), 1280×960/720, 800×600, 640×480
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/TTLS, UDP, UPnP, 802.1X, UPnP, Bonjour, DDNS, PPPoE; ONVIF S/G/T
Frame Rate:	30/25 fps max
Streams:	Triple streaming. Single: 5 MP@30fps; Dual: 5 MP@30fps + 640×480@30fps; Triple: 5 MP@30fps; + 640×480@30fps + 640×480@30fps
Users:	Live: 10 users
Web Browser:	Chrome®, Safari®, Firefox®, Microsoft Edge®
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, IEEE 802.1X, Digest Authentication, Advanced Security
Mechanical	
Construction:	Dome body: white aluminum. Dome bubble: polycarbonate.
Camera Angle of Adjustment:	3-axis adjustment. Pan: >355°; Tilt: 70°; Rotate: ±355°
Mounting:	Surface mount (wall or ceiling), wall arm, pendant, J-Box, pole, corner, 4×4 electrical plate, backbox
Dimensions:	4.9 in. (124 mm) (Diam) x 4.4 in. (112 mm) (H)
Weight:	2.2 lb (1 kg)

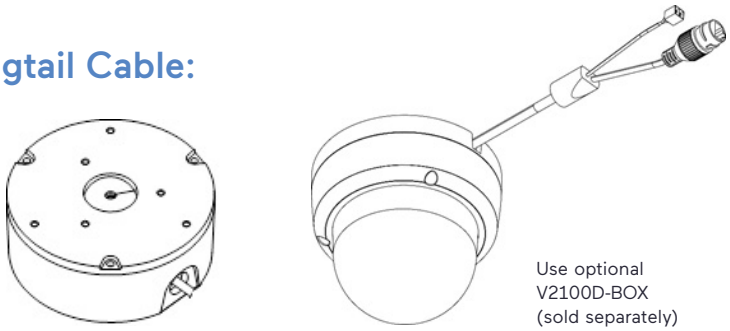
Specifications

Model	V2105D-W313MIR
Electrical	
Input Power:	PoE IEEE 802.3af class 3; 12 VDC (±10%)
Current:	12 VDC: 0.63 A; PoE: 0.16 A
Power Consumption:	IR On: 7.6 W; IR Off: 5.2 W
Controls and Connectors	
Connectors:	Pigtail cable provided; optional backbox required for cabling PoE/Network: RJ-45 CAT 5; Reset button; Default button; Micro SD card slot for SDHC/SDXC card (128 G max; customer-supplied)
Environmental	
Operating Conditions:	Outdoor rated Temp: -22° to 140° F (-30° to 60° C) Humidity: up to 90%, non-condensing
Approvals:	UL, FCC Class A, CE, IP67, IK10; ONVIF Profile S/T/G, RoHS, BIS
Country of Origin:	Taiwan
Warranty:	5 years

Dimension Drawing [in. (mm)]



Pigtail Cable:



Ordering Information

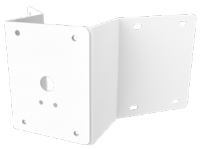
Model	Description
V2105D-W313MIR	**5 MP Dome** 3.1-10 mm motorized zoom and focus; autoiris.
Mounts and Accessories	
V2XXXD-PM	**Pendant Cap** Provides pendant mounting configuration for use with SVFT-WM-1 and V1001-WM wall mounts.
V1001-WM	**Wall Mount (medium)** For mounting the dome directly to a wall, J-Box, corner mount, or pole mount.
SVFT-WM-1	**Wall Mount (small)** For mounting the dome directly to a wall, corner mount, or pole mount.
V1001-JB	**Junction Box** Assists with wiring management of the dome's connectors. Requires wall mount (V1001-WM), which affixes to the J-Box. J-Box can mount directly to a wall, or to the corner mount (V1001-CM) or pole mount (V1001-PL).
V1001-CM	**Corner Mount** For mounting the dome to a corner. Requires wall mount (V1001-WM). The corner mount also acommodates the J-Box (V1001-JB).
V1001-PL	**Pole Mount** For mounting the dome to a pole. Requires wall mount (V1001-WM). The pole mount also accommodates the J-Box (V1001-JB).
V1001-PM	**Pendant Mount** For suspending the dome from the ceiling.
SVFT-UPM-2	**Parapet Mount** For mounting the dome over the raised barrier at the edge of a roof.
SVFT-UCM-1	**Hard Ceiling Mount** For affixing the dome directly to a hard ceiling.
V2100D-PLATE	**Adapter Plate** Allows the V2100D to be mounted on a 4×4 electrial box.
V2100D-BOX	**Backbox** For ease of cabling for the dome.
V2100D-IC	**In-Ceiling Mounting Kit** Allows the V2000D to be installed in a hard or drop ceiling.
V2XXXD-DCB	**Drop Ceiling Bracket** Support bracket for V2000D-IC.


V2XXXD-PM


V1001-WM


SVFT-WM-1


V1001-JB


V1001-CM


V1001-PL


V1001-PM

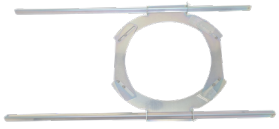

SVFT-UPM-2


V2100D-BOX


V2100D-PLATE

SVFT-UCM-1


V2000D-IC


V2XXXD-DCB

Data Sheet Number: V318-20-11
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