



### Product at a Glance

- ▶ 2 MP and 5 MP models
- ▶ True WDR (120 dB)
- ▶ H.265/H.264 compression; M-JPEG compression
- ▶ 98 ft/30 m IR range; Smart IR
- ▶ Motorized zoom and focus varifocal lens
- ▶ Triple streaming
- ▶ Smart Encoding
- ▶ Power-over-Ethernet (PoE); 12 VDC
- ▶ SD card slot for on-camera storage
- ▶ IP67 rated for outdoor environments
- ▶ IK10 rated for impact protection
- ▶ NDAA/GSA/TAA compliant; ONVIF S/T/G/Q
- ▶ Surface mounting on wall or ceiling

### Overview

Vicon's Roughneck® V2100D Series of HD IP Dome Cameras is designed for performance in the most demanding security installations. There are 2 MP and 5 MP models with a motorized varifocal autoris lens.

The V2100D Series 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 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 camera also accepts 12 VDC. The dome camera can be mounted on a wall or ceiling. Refer to Ordering Information for details on accessories and other mounting options.

In order to adapt to constantly changing outdoor lighting conditions, the V2100D Series features an autoiris lens that maintains picture quality under changing lighting conditions. The true day/night progressive scan camera also 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.

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 and support ONVIF profiles S/T/G/Q.

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	V2102D-W313MIR	V2105D-W313MIR
Image Sensor:	1/2.8-in.	
Max Resolution:	1920 x 1080 (1080p)	2592x1944 (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 Analysis (VCA):	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	True WDR; 120 dB	
Minimum Illumination (@ 30 IRE):	Color: 0.015 lux; BW: 0.005 lux, IR Off; 0 lux, IR On	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	
<b>Lenses</b>		
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	34° (tele) - 102° (wide)/20° (tele) - 54° (wide)/ 40° (tele) - 118° (wide)	32° (tele) - 96° (wide)/24° (tele) - 69° (wide)/ 40° (tele) - 124° (wide)
<b>Network Video Transmission</b>		
Network:	10/100Base-T/TX: RJ-45	
Image Compression:	H.264; H.265; M-JPEG	
Resolution:	2 MP: 1920x1080 (1080P), 1280x960/720, 800x600, 640x480 5 MP: 2592x1944/1520, 2048x1536, 1920x1080 (1080P), 1280x960/720, 800x600, 640x480	
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 + 2 MP@30fps; Triple: 2 MP@30fps + 2 MP@30fps + 1280 x 720@30 fps 5 MP: Single: 5 MP@30fps; Dual: 5 MP@30fps + 640x480@30fps; Triple: 5 MP@30fps + 640x480@30fps + 640 x 480@30 fps	
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 body: white aluminum. Dome bubble: polycarbonate.
Camera Angle of Adjustment:	3-axis adjustment. Pan: >355°; Tilt: 80°; Rotate: ±355°
Mounting:	Surface mount, wall or ceiling
Dimensions:	4.9 in. (124 mm) (Diam) x 4.4 in. (112 mm) (H)
Weight:	2.2 lb (1 kg)
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/Q, RoHS
Country of Origin:	Taiwan
Warranty:	5 years

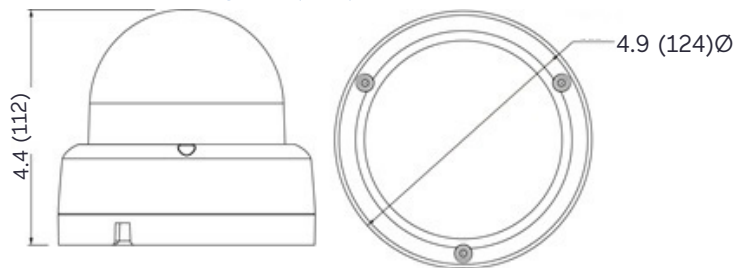
Ordering Information

Resolution	Lens	Model Number
2 MP	3.1-10 mm motorized zoom and focus; autoiris	V2102D-W313MIR
5 MP	3.1-10 mm motorized zoom and focus; autoiris	V2105D-W313MIR

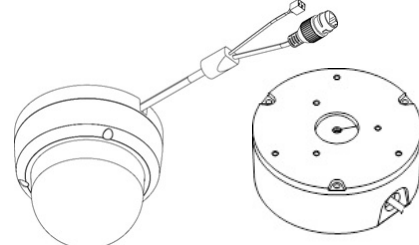
Accessories

Adapter Plate	Allows the V2100D vandal dome to be mounted to a 4x4 electrical box	V2100D-PLATE 
Pendant Cap	Provides pendant mounting configuration for use with SVFT-WM-1/UWM-1/UCM-1/UPM-2, V-24CMB-4, V-20B-A-4	V2XXXD-PM 
Backbox	For ease of cabling	V2100D-BOX 
In-Ceiling Mounting	For mounting in a drop or hard ceiling	V2100D-ICH/V2100D-ICH 

Dimension Drawing [in. (mm)]



Pigtail Cable: Use optional V2100D-BOX (sold separately)



V2100D-BOX

Data Sheet Number: V318-20-08  
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