



V2102OD-W310MIR-A

## Roughneck Network Outdoor Dome



### Overview

Vicon's Roughneck® V2102OD-W310MIR-A Outdoor HD IP Dome Camera is a cost effective design which delivers excellent performance in the commercial security installations. This 1080P (2 MP) model is matched with a motorized varifocal lens to ensure sharp image quality. The camera includes Smart IR LEDs to provide clear images up to 82 ft (25 m) from the camera during low light conditions.

The camera provides quad-streaming video and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth; M-JPEG is also available.

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

### Product at a Glance

- ▶ 1080P (2 MP)
- ▶ True WDR (120 dB)
- ▶ H.265/H.264, M-JPEG compression
- ▶ Smart IR (82 ft/25 m IR range)
- ▶ 3.1-10 mm motorized zoom & focus varifocal lens; P-iris
- ▶ 0.04 lux low light (color)
- ▶ Starlight low-light technology provides clear color images in extreme low-light conditions
- ▶ Power-over-Ethernet (PoE); 12 VDC
- ▶ Two-way audio (line in/out)
- ▶ uSD card slot for on-camera storage
- ▶ Alarm Relay (1 In/1 Out)
- ▶ NDA compliant; Cyber Security Certified by STQC as per IoTSCS; ONVIF S/T/G

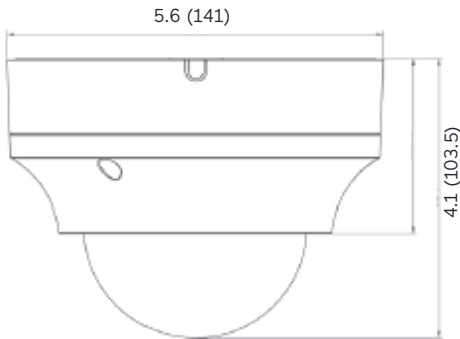
## Specifications

Model	V2102OD-W310MIR-A
<b>Camera</b>	
Image Sensor:	1/2.8" 2MP CMOS progressive sensor
Max Resolution:	1920 (H) x 1080 (V) (2 MP)
Image Settings:	Digital image effects: OSD (time, date, camera name, custom text); Brightness/Contrast/Saturation/Sharpness/Hue; Corridor; Mirror (Flip Normal/Vertical/Horizontal/180°/90° Clockwise/90° Counterclockwise); Backlight control (BLC); White Balance (AWB/manual); Anti-flicker; Gain control (auto/manual); Digital noise reduction (2D/3D DNR); ROI (areas each for stream 1 and 2); Privacy Mask (5 areas)
Video Content Analysis (VCA):	Motion Detection; Tamper Detection; Museum Search
Electronic Shutter Speed:	Auto (1 ~ 1/10,000 sec), manual
Day/Night Performance:	True day/night (IR cut filter)
Wide Dynamic Range:	True WDR; 120 dB
Minimum Illumination:	Color: 0.04 lux; BW: 0.00 lux, IR On @f/1.4
IR Distance:	Smart IR. 82 ft (25 m)
<b>Lenses</b>	
Focal Length:	3.1-10 mm; 3.2X optical zoom
Max. Aperture:	f/1.4 -f/2.8
Iris:	P-iris
Zoom/FocusAdjust:	Motorized zoom and smart focus
Field of View Horizontal/Vertical:	39° (tele) - 100° (wide)/22° (tele)- 55° (wide)
<b>Network Video Transmission</b>	
Network:	10/100 Mbps Ethernet; RJ-45
Image Compression:	H.264; H.265; M-JPEG
Resolution:	1920 x 1080 (1080P), 1280 x 720 (720P), 384 x 2164
Protocol:	DHCP, FTP, HTTP, HTTPS, IPv4/6, LDAP, NTP, RTSP/RTP, RTMP, SMTP, SNMP 2c/3, TCP/IP, UDP, UPnP, 802.1X, SSL, Zero Configure, Network Protocols, Firewall, Bonjour, DDNS; ONVIF
Streaming:	Unicast and Multicast streams. Quad streaming. Stream 1: 1920 x 1080 @30fps; 1280 x 720 @30fps Stream 2: 1920 x 1080 @30fps; 1280 x 720 @30fps Stream 3: 384 x 216 @30fps Stream 4: 384 x 216 @30fps
Audio:	Two way, 1 audio input/1 audio output (line in/out); G.711 (a law, u-law); 8KHz/16 bits
Alarm Relay:	1 In and 1 Out
Web Browser:	Chrome®, Safari®, Firefox®, Microsoft Edge®
Event Trigger:	Motion Detction, Tampering Detection, Alarm In
Notifications:	Send message via Email/record to FTP/NAS/SD card, record JPG/mp4
Storage:	Micro SD (up to 512 GB max)
Security:	IP address filtering; HTTPS encrypted data transmission, SSL, multi-user authority
<b>Mechanical</b>	
Construction:	Metal housing
Camera Angle of Adjustment:	3-axis adjustment; mechanical camera adjustment pan 360°, tilt 90° and roll 355°
Mounting:	Surface mount, wall or ceiling
Dimensions:	5.6 in. (141 mm) (Ø) x 4.1 in. (103.5 mm) (H)
Weight:	2.09 lb (0.95 kg)

## Specifications

Electrical	
Input Power:	PoE IEEE 802.3af class 3; 12 VDC
Power Consumption:	7.5 W
Controls and Connectors	
Connectors:	Pigtail: PoE. Video. Data: RJ-45; Power: 12 VDC plug; Alarm In/Out: terminal block; Audio In/Out: jacks
Environmental	
Operating Conditions:	Temperature: -40° to 122° F (-40° to 50° C) Humidity: 10% to 90%, non-condensing
Approvals:	FCC Class A; CE; IP66; IK10; ONVIF S/G/T; NDAA compliant; Cyber Security certified by STQC as per IoTSCS
Country of Origin:	Taiwan
Warranty:	5 years

## Dimensional Drawing [in. (mm)]



## Ordering Information

Model	Description
V2102OD-W310MIR-A	OUTDOOR DOME STARLIGHT CAMERA; 2 MP; true WDR; 3.1-10 mm motorized varifocal lens; IR; NDAA/GSA/TAA compliant; Cyber Security Certified by STQC as per IoTSCS

Data Sheet Number: V318-95-00A-0525  
Vicon Data Sheet Number: 8009-7318-95-00A-0525

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