



## V2102OD-W310-A Roughneck Network Outdoor Dome

✓ NDAA GSA ONVIF TAA



### 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)
- ▶ 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)
- ▶ NDAA compliant; ONVIF S/T/G

## Specifications

Model	V2102OD-W310-A
<b>Camera</b>	
Image Sensor:	1/2.8-in. CMOS progressive sensor
Max Resolution:	1920×1080 (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 (auto/manual); Gain control (auto/manual); Digital noise reduction (2D/3D DNR); ROI (areas each for stream 1 and 2); Privacy Mask (5 areas); Motion Detection; Tamper Detection
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 lux, IR On @f/1.2
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
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:	1920×1080 (1080P) to 320×240
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: 1080p @25fps Stream 2: 720p @25fps Stream 3: QCIF @15fps Stream 4: QCIF @15fps
Frame Rate:	60 fps max
Audio:	Two way, 1 audio input/1 audio output (line in/out); G.711 (a law, u-law); 8KHz/16 bits
Web Browser:	Chrome®, Safari®, Firefox®, Microsoft Edge®
Security:	HTTPS encrypted data transmission, SSL, IEEE 802.1X
<b>Mechanical</b>	
Construction:	Metal housing; polycarbonate dome
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:	2.1 lb (0.95 kg)

## Specifications

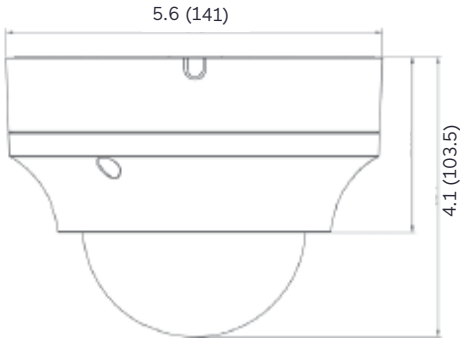
Electrical	
Input Power:	PoE IEEE 802.3af class 3; 12 VDC
Power Consumption:	7.5 W
Controls and Connectors	
Connectors:	Pigtail: PoE. Video. Data: RJ-45; Power: 12 VDC plug; Alarm In/Out: terminal block; Audio In/Out: jacks
Environmental	
Operating Conditions:	Temperature: -40° to 122° F (-40° to 50°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

## Ordering Information

### Cameras

Model	Description
V2102OD-W310-A	1080P (2 MP) outdoor dome camera; 3.1-10 mm motorized zoom and focus

## Dimensional Drawing [in. (mm)]



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

Specifications subject to change without notice.  
Vicon, Roughneck and their logos are registered trademarks of Vicon Industries Inc.  
Copyright © 2024 Vicon Industries Inc. All rights reserved.

Microsoft Edge is a registered trademark of Microsoft Corporation.  
Chrome is a registered trademark of Google LLC.  
Firefox is a registered trademark of Mozilla Corp.  
Safari is a registered trademark of Apple Inc.