



Product at a Glance

- ▶ 8 MP
- ▶ True WDR (120 dB)
- ▶ H.265/H.264 compression; M-JPEG compression
- ▶ Built-in ABF button for easy focus
- ▶ Triple streaming
- ▶ Smart Encoding
- ▶ VCA
- ▶ Power-over-Ethernet (PoE); 12 VDC; 24 VAC
- ▶ Supports megapixel DC iris, P-iris or i-CS lens option
- ▶ SD card slot for on-camera storage
- ▶ NDAA/GSA/TAA compliant; ONVIF S/T/G/Q

Overview

Vicon's Roughneck® Pro V2008-W-NL Box Cameras is designed for discreet indoor security installations. The camera provides 8 MP (4K) resolution; the CS/i-CS lens mount allows for a wide variety of DC iris, P-Iris and i-CS lenses to be used to fit any installation need. Refer to the Ordering Information table for Vicon's lens offerings.

The V2008-W-NL 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 V2008-W-NL 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; 12 VDC and 24 VAC are also accepted. Refer to Ordering Information for details.

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.

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

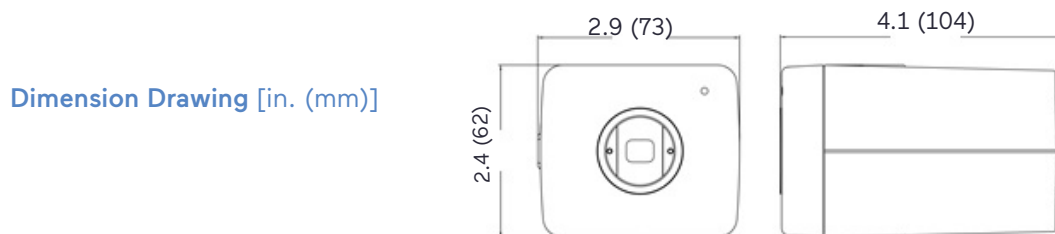
Model	V2008-W-NL
Image Sensor:	1/1.8-in.
Max Resolution:	3840×2160 (8 MP)
Image Settings:	Digital image effects: defog, flip, and mirror and corridor. Configurable brightness, contrast, saturation, hue, sharpness. White balance. Backlight Compensation (BLC). HLC. Gain control. Gamma correction. Electronic 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. 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; f/1.2):	Color: 0.02 lux; BW: 0.01 lux
Lenses	
Lens Type:	CS/i-CS mount
Iris Control:	DC iris, P-iris, i-CS support
Focus Control:	Auto Back-focus (ABF) button for easy focus adjustment
Network Video Transmission	
Network:	10/100Base-T/TX: RJ-45
Image Compression:	H.264; H.265; M-JPEG
Resolution:	8 MP: 3840×2160, 3264×1840, 2592×1944, 2688×1520, 2048×1536, 1920×1080 (1080P), 1280×960/720, 800×600, 640×480, 640×360, 320×240
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. Single: 8 MP@30fps; Dual: 8 MP@30fps + 640×480@30fps; Triple: 8 MP@30fps + 640×480@30fps + 320 x 240@15 fps
Audio:	1 audio input/1 audio output; G.711 (a-law, μ-law); audio level alarm; audio level alarm
Alarm:	1 alarm input/1 alarm output
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:	Box housing: aluminum alloy. Front case: PC+ABS.
Camera Angle of Adjustment:	Mount dependent; 1/4-20 threaded hole top and bottom for mounting
Dimensions:	2.9 in. (73 mm) (W) x 2.4 in. (62 mm) (H) x 4.1 in. (104 mm) (L)
Weight:	1.3 lb (0.6 kg)
Electrical	
Input Power:	PoE IEEE 802.3af class 3; 12 VDC ($\pm 10\%$); 24 VAC (+20%/-10%)
Current:	12 VDC: 1.125 A; 24 VAC: 0.56 A; PoE: 0.28 A
Power Consumption:	PoE: 13.5 W
Controls and Connectors	
Connectors:	Power: 12 VDC/24 VAC: terminal block; PoE/Network: RJ-45 CAT 5; Audio Input/Output: terminal block. RS-485. AF: terminal block. Monitor Out: terminal block. Reset button/Default button; Micro SD card slot for SDHC/SDXC card (128 G max; customer-supplied)
Environmental	
Operating Conditions:	Temperature: 14° to 131° F (-10° to 55° C) Humidity: up to 90%, non-condensing
Approvals:	UL, FCC Class A, CE, ONVIF Profile S/T/G/Q, RoHS
Country of Origin:	Taiwan
Warranty:	3 years

Ordering Information		
Resolution	Lens	Model Number
8 MP	No lens. CS/i-CS lens accepted	V2008-W-NL
Lenses*		
4 - 13 mm focal length; CS mount; IR optics; P-iris		V4-13VF-P
12 - 50 mm focal length; CS mount; IR optics; P-iris		V12-50VF-P

*Refer to datasheet for the lenses for details.



Data Sheet Number: V318-70-05
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