VICON

AI ANALYTICS INSIDE

V2008-W-NL

Roughneck AI 8 MP Box Camera



NDAA GSA ONVIF S/G/T/M TAA

Overview

The Roughneck® AI Camera from Vicon is an affordable and compact box camera that delivers 8 MP resolution with superior image quality, even in low light and harsh lighting conditions. The camera provides a clearly visible, fixed angle-of-view, making it easy to see exactly where the camera is pointing; this can be a poweful visual deterrent. The camera is compatible with a variety of lenses and housings, so it can be customized for a myriad of applications.

AI ANALYTICS INSIDE

Perform more meaningful post-event forensic searches with AI-based analytics

The camera's AI-based analytics allow it to distinguish people and vehicles from other objects in a scene. Object-only recording, and the ability to filter out "environmental noise" that can trigger a motion detection alarm (e.g., shadows, swaying trees and bushes, etc.), significantly increases operational efficiencies. The result?

- Filter out non-relevant video for faster incident resolution
- Reduce storage requirements (by limiting recording to just object-based motion)
- Diminish nuisance alarms
- Respond to genuine threats quicker, and with fewer resources

Product at a Glance

- 8 MP resolution
- Starlight low-light technology provides clear color images in extreme low-light conditions
- True WDR (120 dB)
- Built-in ABF button for easier, more precise focusing
- Compatible with a variety of lenses; choose from P-iris, DC-iris, or i-CS

Specifications

Model	V2008-W-NL
Camera	
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, Tailgating, Object Left/Removed, Crowding. Museum Search.
AI-Based Object Classification Analytics:	Vehicles, people, animals
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
Signal-to-Noise Ratio (SNR):	>50 dB
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:	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/TTLS, UDP, UPnP, 802.1X, UPnP, Bonjour, DDNS, PPPoE; ONVIF S/G/M/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:	Chrome®, Safari®, Firefox®, Microsoft® Edge
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, IEEE 802.1X, Digest Authentication, Advanced Security
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 (±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
Regulatory and Approvals	
Approvals:	UL, FCC Class A, CE, ONVIF Profile S/T/G/M, RoHS; BIS
Country of Origin:	Taiwan
Warranty:	5 years

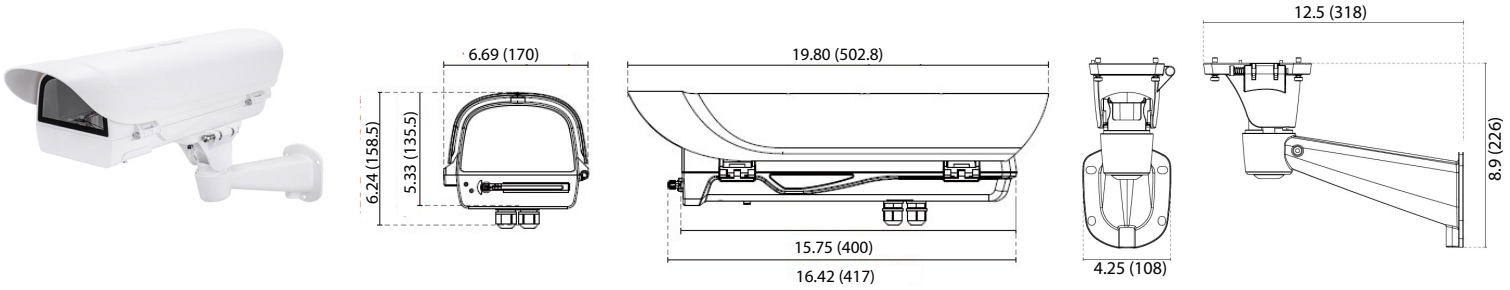
Model	V-HSG-POE
Housing	
Viewing Window:	Chemically strengthened glass
Construction:	Cast aluminum
Cabling:	4x M16 waterproof cable glands
De-icing Window Heater:	≤68° F (20° C) On; ≥86° F (30° C) Off; 10 W
Fan:	≥95° F (35° C) On; ≤77° F (25° C) Off; 2 W
Power Input:	60 W /90 W IEEE 802.3bt PoE, 50 ~ 57 VDC
IR Features:	2 LEDs; Beam Angle: 10°-40°, DIP switch selectable; Distance: 164-459 ft (50-140 m); Wavelength: 850 nm; 12 W
Coating:	White epoxy powder coating
Ratings:	Weather: IP68; Vandal: IK10
Operating Temperature:	-4° F ~ 149° F (-20° C ~ 65° C) -4° F ~ 122° F (-20° C ~ 50° C) with IR LEDs
Weight:	8.5 lb (3.85 kg)
Country of Origin:	Taiwan

Model	V0950VF-ICS
Lens	
Imager Format:	1/1.8 in.
Mount Type:	CS
Focal Length:	9 - 50 mm
Aperture:	f/1.5
Field-of-View (16:9):	46.1° x 26.3°
Iris:	Stepping motor
IR:	Yes
Country of Origin:	China

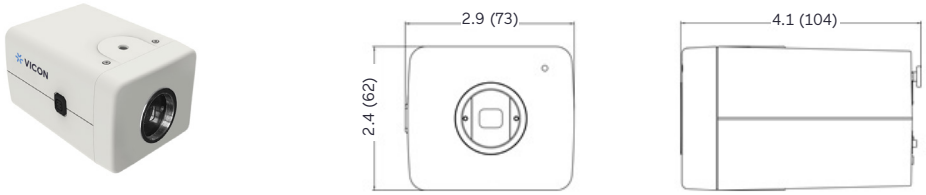
Ordering Information

Model	Description
V2008-W-NL	8 MP; no lens. CS/i-CS lens accepted
Accessories	
V-0950VF-iCS	9 - 50 mm focal length; i-CS lens; CS mount
V-HSG-POE	Vandalproof (IP68/IK10) outdoor housing with built-in PoE management; includes window heater/fan and wall mount
V-IR-140	IR illuminator option for the V-HSG-POE; 164 - 459 ft (50 - 140 m) distance, 10° - 40° beam angle
V-HSG-PM	Pole mount adapter

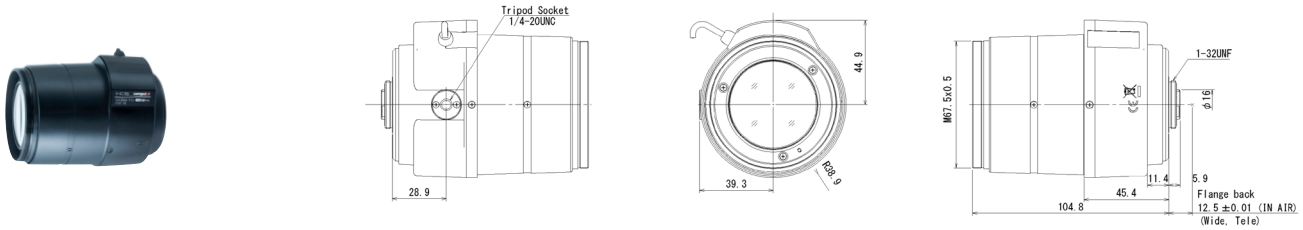
Housing with Wall Mount



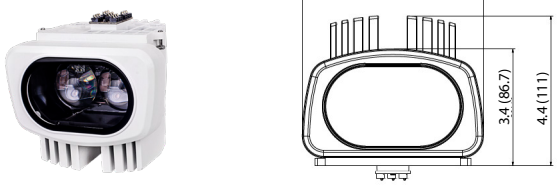
Box Camera



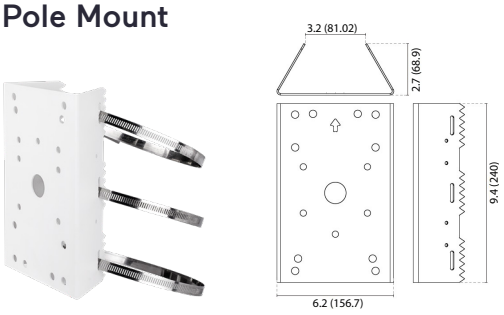
Lens



IR Illuminator



Pole Mount



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