



V2008B-VF411-B Roughneck Pro Network bullet Camera



Overview

The Vicon Roughneck® Pro V2005B-VF312-B HD IP Bullet Camera is a high-performance 8MP network camera designed for professional and commercial security installations. Powered by the AI Engine Gen 2, it enables advanced analytics and intelligent surveillance capabilities.

The camera features a motorized varifocal lens with remote zoom, focus, and iris control, ensuring precise image capture across diverse monitoring scenarios. Multi-exposure HDR delivers superior image quality in complex lighting conditions, while Smart/Adaptive IR LEDs provide illumination up to 164 ft (50 m) for clear visibility in low-light environments. Dual iris support (Auto-IRIS & P-IRIS) enhances exposure accuracy and depth of field.

Supporting quad streaming with H.265/H.264 compression and M-JPEG, the camera reduces bandwidth consumption and storage requirements while maintaining high image quality. Image performance is further optimized through 3D Motion Compensated Noise Reduction (MCTF). Local edge recording is available via microSD/SDHC/SDXC card slot.

The V2005B-VF312-B offers triple power support (PoE/12VDC/24VAC) for installation flexibility. With its IP66 weatherproof and IK10 vandal-resistant housing, the camera is built for reliable operation in harsh outdoor environments.

Fully compliant with ONVIF Profiles S, G, T, and M, the camera integrates seamlessly with Vicon Valerus™ VMS as well as a wide range of third-party video management systems.

Product at a Glance

- ▶ 8MP Resolution
- ▶ AI Engine Gen 2
- ▶ Multi Exposure HDR
- ▶ Remote Zoom/ Focus/ IRIS Control on AF Lens
- ▶ H.265/H.264 compression; M-JPEG compression
- ▶ Dual IRIS Support (Auto-IRIS & P-IRIS)
- ▶ 164 ft/50 m IR range; Smart IR/Adaptive IR
- ▶ Motorized zoom and focus varifocal lens
- ▶ Quad Streaming
- ▶ True Day/Night function (ICR)
- ▶ 3D Motion Compensated Noise Reduction (MCTF)
- ▶ Micro SD/ SDHC/ SDXC Card support
- ▶ ONVIF Profile S/ G/ T/ M support
- ▶ Triple Power Support (PoE/ DC12V/ AC24V)
- ▶ Weatherproof (IP66) and Vandal Proof (IK10 Rating)

Specifications

Model	V2008B-VF312-B
Camera	
Image Sensor:	1/1.8" Progressive CMOS
Max Resolution:	3865 (H) X 2180 (V) (8MP)
Image settings	Digital image effects: OSD (time, date, camera name, custom text, Image); 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); Motion Detection; Tamper Detection
Video Content Analysis (VCA)	Motion, Tampering, Line Crossing, Object in Zone, Crossline counting, Occupancy in zone, Loitering, Parking Violation, Wrong Way, People Gathering, Face Recognition, Auto Face Enrolment, Violence Detection, LPR, Vehicle Recognition, Abandoned Object, Removed Object, Heat Map, PPE Detection
Electronics Shutter Speed:t	1~ 1/67,500 sec
Day/Night Performance:	Removable IR Cut Filter
High Dynamic Range	Gen3 Engine
Minimum Illumination:	Color: 0.08 lux; BW: 0.008 lux (IR On)
Signal-to-Noise Ratio:	≥50 dB
IR Distance:	Smart IR; up to 164 ft (50 m)
Lenses	
Focal Length:t	3.6-11 mm
Max. Aperture:	F1.5
Iris:	P-Iris
Zoom/Focus Adjust:	Motorized zoom and smart focus, Optical zoom, Digital zoom
Field-of-view: Horizontal/Vertical	47.1° (tele) - 111° (wide)/26.6° (tele) - 60° (wide)
Network Video Transmission	
Network:	10/100/1000 Mbps Base-T: RJ-45; TCP/IP-based Ethernet network
Image Compression:	H.264; H.265; M-JPEG
Resolution:	3840x2160,2688x1944, 2560x1440, 2048x1536, 2304x1296, 1920x1080 (1080P), 1600x1200, 1440x1080, 1600x900, 1280x960/720, 800x600, 640x480/360, 320x240/180
Protocol:	ARP, PPPOE, IPV4/V6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS, Config, ONVIF Profile S/G/T/M
Streaming:	Unicast and Multicast streams. Quad streaming. Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264
Frame Rate:	30/25 fps
Data Rate:	Rate control: LBR/VBR/CBR
Mean Time Before Failure:	MTBF: 100,000 hours
Web Browser:	Microsoft® Edge®; Google® Chrome®, Mozilla® Firefox®
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, multi-user authority, User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x
Event Trigger:	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Notifications:	Send message via Email/record to FTP/NAS/SD card, record JPG/mp4
Users:	Live viewing for up to 10 clients
Audio I/O:	1/1 (line in/line out)
Audio Streaming:	G.711/G.726/ AAC/ LPCM; 2 Way

Specifications

Model	V2008B-VF312-B
Camera	
Alarm Relay:	1 In and 1 Out
Storage:	Support for microSD/ microSDHC/ microSDXC card (up to 512 GB max) Support for recording to NAS
Mechanical	
Construction:	Metal and Plastic
Camers Angle of Adjustment:	Adjusted using integral wall mount
Mounting:	Surface mount
Dimensions:	92x224.6 mm
Weight:	1.72 lb (0.78 kg)
Electrical	
Input Power	POE IEEE802.3af, class 0, max 12.90 watt DC12V, max 15.24 watt AC24V, max 13.19 watt, max 25.20 VA
Power Consumption	12.9W (PoE), 15.2W (12V DC), or 13.2W / 25.2VA (24V AC)
Controls and Connectors:	PoE, Video, Data: RJ-45; Power: 12 VDC plug; Alarm In/Out: terminal block; Audio In/Out: jacks; Reset button
Enviromental	
Operating Conditions	Operating Temp: -22° to 131° F (-30° to 55° C) without Heater, -131° to 131° F (-55° to 55° C) with Heater Humidity: 10% to 90%, non-condensing
Storage Conditions	-20° to 70° C
Approvals:	UL, FCC, CE, IK10, 1P66, NDAA compliant
Country of Origin:	Taiwan

Ordering Information

Model	V2008B-VF312-B
Description	OUTDOOR BULLET CAMERA; 8 MP; HDR; 3.6-11 mm motorized varifocal lens; IR; NDAA/GSA/TAA compliant;

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