VICON

V2008PTZ-30XIR-B

Roughneck Pro
PTZ Dome Camera

NDAA GSA ONVIF S/G/T/M TAA

Overview

The Vicon Roughneck® Pro 8MP PTZ Camera delivers advanced imaging performance in a ruggedized design, making it suitable for critical security applications. Featuring a powerful 30x optical zoom lens with motorized focus and P-iris control, the camera captures exceptional detail and coverage across wide monitoring areas.

Built for durability, the camera is housed in an IK10 impact-resistant and IP66 weatherproof enclosure, providing complete protection against dust, water, and high-pressure jets. An integrated electronic image stabilizer (EIS) minimizes vibration and motion blur, ensuring clear images even when the camera is fully zoomed or installed in high, windy, or vibration-prone environments.

The camera incorporates the latest multi-exposure HDR engine, delivering natural, high-quality images in scenes with both bright and dark areas without blending artifacts. Smart/Adaptive IR LEDs extend visibility up to 820 ft (250 m), while the True Day/Night ICR function ensures optimal color reproduction in daylight and clear monochrome imaging at night.

Advanced functions include auto-tracking of people and servo feedback with zero drifting, ensuring precise PTZ positioning. Additional enhancements such as 3D Motion Compensated Noise Reduction (MCTF) improve low-light performance. The camera supports local edge recording via microSD/SDHC/SDXC, as well as high-quality audio codecs for integrated video and audio surveillance.

Fully compliant with ONVIF Profiles S, G, T, and M, the Roughneck® Pro 8MP PTZ integrates seamlessly with Vicon Valerus™ VMS and other leading video management systems.

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Product at a Glance

▸ 8MP Resolution

▸ 30X optical zoom

▸ Multi Exposure HDR

▸ Auto-tracking of people

▸ 820 ft/250 m IR range; Smart IR/ Adaptive IR

▸ Electrical Image Stabilizer (EIS) Support

▸ True Day/Night function (ICR)

▸ Servo Feedback - Zero Drifting

▸ 3D Motion Compensated Noise Reduction (MCTF)

▸ Micro SD/ SDHC/ SDXC Card support

▸ Audio codec for superb audio quality

▸ ONVIF Profile S/ G/ T/ M support

▸ Weatherproof (IP66) and Vandal proof (IK10 Rating)

Specifications

Model	V2008PTZ-30XIR-B
Camera	
Image Sensor:	1/1.8" Progressive CMOS
Max Resolution:	3840 (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, Auto tracking.
Electronics Shutter Speed:	Auto: 1~ 1/10,000 sec, Manual
Day/Night Performance:	True day/night (Automatically Removable IR-cut filter)
High Dynamic Range	Gen3 Engine
EIS	Yes
Minimum Illumination:	Color: 0.0125 lux; BW: 0.0085 lux (IR On)
Signal-to-Noise Ratio:	≥50 dB
IR Distance:	Smart IR; up to 820 ft (250 m)
Lenses	
Focal Length:	4.5-135 mm, 30X Optical Zoom
Max. Aperture:	F1.8
Image Rotation	90°, 180°, 270° rotation
Field-of-view: Horizontal/Vertical	2.5° (tele) - 62.7° (wide)/1.4° (tele) - 37.1° (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, 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/0:	1/1 (line in/line out)
Audio Streaming:	G.711/G.726/ AAC/ LPCM; 2 Way

Specifications

Model	V2008PTZ–30XIR–B
Camera	
Alarm Relay:	4 In and 2 Out
Storage:	Support for microSD/ microSDHC/ microSDXC card (up to 512 GB max) Support for recording to NAS
Mechanical	
Construction:	Plastic Body
Pan Range	Pan: 0~360° endless
Pan Speed (Manual)	Pan: 0.1~90%
Tilt Range:	Tilt : -20~100°
Tilt Speed (Manual)	Tilt : 0.1~55%
Presets Speed	Pan : 300%, Tilt : 300%
Preset	256
PTZ Mode:	8 Sequence, 8 cruise, 4 auto pan
Auto-Tracking	People
Camers Angle of Adjustment:	Adjusted using external Ceiling mount
Mounting:	1.5" NPT Pipe Interface
Diamensions:	207x300 mm with Sunshield
Weight:	8.60 lb (3.9kg)
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; Audio In/Out: jacks;
Enviromental	
Operating Conditions	Operating Temp: -40° to 122° F (-40° to 50° C) with Heater Humidity: 10% to 90%, non-condensing
Storage Conditions	-20° to 70° C
Approvals:	FCC, CE, IP66, IK10; NDAA compliant;
Country of Origin:	Taiwan

Ordering Information

Model	V2008PTZ-30XIR-B
Description	OUTDOOR PTZ Dome Camera; 8 MP; HDR; 4.5-135mm, 30X Zoom; IR; NDAA/GSA/TAA compliant;

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