



SALES ALERT

Vicon's Acclaimed Roughneck PTZ is Now Available in 5 MP



Overview

You've already met our Roughneck 2 MP Pro PTZ camera, but we have another introduction to make. Meet the new Roughneck Pro PTZ, now available in 5 MP resolution for higher pixel density, a wider field-of-view, and better forensic details like facial features and license plates.

This robust PTZ features everything you love from our outstanding Roughneck PTZ cameras: flexible and large field-of-views, IP66/IK10* durability to withstand challenging environments, and high-speed processing. But as always, we're designing cameras that raise the bar. This PTZ also delivers premium features such as Starlight low-light imaging, advanced analytics, and more.

The 5 MP Roughneck Pro PTZ is now available for immediate shipping.

*The lens cover for this PTZ is rated IK07.

Benefits at a Glance

- ▶ Meets NDAA/GSA/TAA regulations
- ▶ Get the perfect amount of detail to see facial features and license plates with 5 MP of resolution
- ▶ Proactively detect events with advanced analytics
- ▶ ONVIF-certified to work with most platforms
- ▶ Advanced Starlight Imaging and Adaptive IR
- ▶ Alarms and audio capabilities enhance overall security



**Delivers Complete
360° View**



**NDAA-Compliant
Roughneck Cameras**



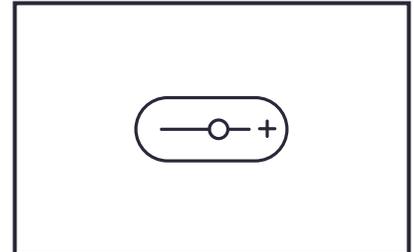
**Certified For
Quick Integration**

Do You See What I See?

The 5 MP Roughneck PTZ features impressive 30x optical/8x digital zoom. So when you're monitoring a wide area, you can hone in on the critical details from over 250 feet away and features will still be clear in digital zoom mode. And during the day, you can depend on our powerful True WDR to overcome difficult lighting conditions, glare, bright backlighting and more.

Worried about missing important details during nighttime surveillance? Don't be – with 492 ft (150 m) of IR illumination and autofocus capabilities, you're ensured the same amount of detail even in extreme low-light conditions.

When coupled with additional imaging features such as Smart IR, Adaptive IR and Starlight low-light imaging – you're capable of executing thorough investigations and exporting detailed evidence.



Identify Details from 250 Feet Away



Advanced Analytics that Protect Vital Assets

Optimize response times and improve threat detection with 10 different options for advanced analytics, including object left/removed, wrong direction, and more. Customize and create combinations to quickly focus on situations needing immediate attention for faster response times.

Features That Make a Difference

Features	Benefits
Adaptive IR/Smart IR	The built-in LEDs provide uniform illumination in near darkness, which means you'll see high-quality, low-noise video from over 490 feet (150 meters) away. Additionally, the camera automatically adjusts the intensity of the LEDs to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.
Starlight Low-Light Imaging	Users can discern color, even in near-dark conditions (0.03 lux). This means you can identify things like hair color, clothing, or vehicle colors for more thorough forensic investigations.
True Wide Dynamic Range (TWDR)	The camera delivers clear images, even under backlight circumstances where intensity of illumination can vary excessively, namely when there are both very bright and very dark areas simultaneously in the field-of-view of the camera. Bright areas do not appear saturated, and dark areas are not too dark.
Analytics	Video analytics enhance security in both public and private spaces by detecting perimeter or area breaches, unattended objects, and atypical activity more rapidly and consistently. You'll receive analytics-based alarms in real-time, and find past events faster using event search tools.
Image Stabilization	Reduces vibration and blurring, especially when the camera is zoomed all the way in, or is installed up high or in a windy area.

Specifications

Model	V2002D-PTZ	V2005D-PTZ
Image Sensor:	1/2.8 inch Sony	
Max Resolution:	2 MP (1080p)	5 MP
Image Settings:	Digital image effects: defog, flip and mirror. 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. Electronic Image Stabilization (EIS).	
Intelligent Video Analytics:	5 profile/presets: Motion, Tampering/Defocus, Intrusion, Loitering, Line Cross/Counting, Object Left/Removed, Area Counting, Wrong Direction. Museum Search.	
Electronic Shutter Speed:	1/30 ~ 1/10,000 sec	
Day/Night Performance:	True day/night (IR cut filter)	
Wide Dynamic Range (WDR):	True WDR (120 dB)	
Minimum Illumination:	Color: 0.007 lux; B/W: 0.002 lux	Color: 0.03 lux; B/W: 0.01 lux
IR Distance:	Adaptive IR; Smart IR (Automatic): 492 ft (150 m)	
Lenses		
Focal Length:	4.5 - 135 mm (30X optical zoom); digital 8X	5.2 - 148 mm (30X optical zoom); digital 8X
Max. Aperture:	f/1.6 - f/4.4	f/1.3 - f/4.8
Iris:	Autoiris	
Zoom/Focus Adjust:	Motorized focus and zoom	
Field of View:	5° - 60° (H); 3° - 38° (V)	2.14° - 58.1° (H); 1.2° - 33.8° (V)
Network Video Transmission		
Network:	10Base-T, 100Base-TX, RJ-45	
Image Compression:	H.265/H.264 and M-JPEG	
Resolution:	1920x1080 (1080P), 1280x960/720, 800x600, 640x480, 640x360, 320x240	2592x1944/1520, 2560x1440, 2048x1536, 2304x1296, 1920x1080 (1080P), 1600x1200, 1440x1080, 1600x900, 1280x960/720, 800x600, 640x480, 640x360, 320x240
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/Q/T	
Frame Rate:	Max. 30 fps (25 fps, PAL)	
Streams:	Triple streaming. Single: 2 MP@30fps; Dual: 2 MP@30fps + 720p@15fps; Triple: 2 MP@30fps + 720@15fps + VGA @30fps	Triple streaming. Single: 5 MP@30fps; Dual: 5 MP@30fps + 5 MP@10fps; Triple: 5 MP@30fps + 5 MP@10fps + 640x480@30fps
Users:	Live viewing for up to 10 clients	
Web Browser:	Internet Explorer®; Safari®, Firefox®, Google Chrome®, Microsoft® Edge	
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, IEEE 802.1X, Digest Authentication, Advanced Security	
Local Recording:	Micro-SD slot provided; customer supplied SDHC/SDXC card	
Mechanical		
Construction:	Aluminum base; polycarbonate dome bubble	
Pan Range:	360° continuous pan	
Pan Speed:	300°/second maximum	
Tilt Range:	95° (-15° to 90°)	
Tilt Speed:	160°/second maximum	
Presets:	128	
Tours/Pattern:	4/4	
Alarm:	2 alarm inputs; 2 alarm output	
Audio Capability:	Two-way audio; G.711 compression	

Specifications

Model	V2002D-PTZ	V2005D-PTZ
Mechanical (cont'd)		
Mounting:	Mounting accessories available. Refer to Ordering Information	
Dimensions:	7.5 in. (190 mm) (Diam) x 13.2 in. (336 mm) (H); refer to dimensional diagram	
Weight:	11.5 lb (5.2 kg)	
Model	V2000D-PTZ	
Electrical		
Input Power:	PoE++ (IEEE 802.3bt, Class 7); 24 VAC (+20%/-10%); 48 VDC (±10%)	
Current (IR on):	2.5 A @24 VAC; 1.25 A @48 VDC	
Power Consumption:	Total Power: 48 W. PTZ Camera: 11 W; Pan/Tilt Function: 12 W; IR: 19 W; Heater: 5.5 W; Blower: 0.9 W. Note that blower is always on; heater turns on when temperature is lower than 59° F (15° C)	
Controls and Connectors		
Indicators and Connectors:	Power: 24 VAC/48 VDC: terminal block. Network/PoE: RJ-45 CAT 5. Audio In/Out and Alarm In/Out: screw terminal. SDHC/SDXC Card Slot. Reset button. Default button. Indicators: green LED flashes for booting and software updating	
Environmental		
Operating Conditions:	Temp: -40° to 140° F (-40° to 60° C) Humidity: up to 90%, relative, non-condensing Limitations in certain weather conditions, including blizzard conditions and freezing rain with high winds.	
Approvals:	UL; FCC Class A; CE; IP66; IK10 (housing)/IK07 (lens cover); RoHS	
Country of Origin:	Taiwan	
Warranty:	5 years	

Ordering Information

Model Number	Description
V2002D-PTZ	2 MP PTZ dome camera
V2005D-PTZ	5 MP PTZ dome camera
Mounting Accessories	
SVFT-UWM-1/SVFT-WM-1	Wall Mounts; for installation on a wall
SVFT-UCM-1	Ceiling Mount; for mounting to a ceiling
SVFT-UPM-2	Parapet Mount; for parapet mounting
V-24CMB-4	Corner Mount; for corner mounting a wall mount
V-20B-A-4	Pole Mount Adapter; for pole mounting a wall mount
VPOE-INJ-60BT	Single-port PoE gigabit injector; compatible with IEEE802.3bt; 60 W output; NDAA/TAA compliant
VPOE-INJ-90BT	Single-port PoE gigabit injector; compatible with IEEE802.3bt; 90 W output; NDAA compliant



SVFT-UWM-1



SVFT-WM-1



SVFT-UCM-1



SVFT-UPM-2



V-24CMB-4



V-20B-A-4



VPOE-INJ-90BT



VPOE-INJ-60BT