VICON

SECURITY SOLUTIONS GUIDE

Integrated Security Solutions for Today's Business

A fully STQC-certified offering

India 2026

Delivering Value and Innovation for Over 55 Years

At Vicon, we pride ourselves on these five pillars of differentiation.

A Single-Source Supplier

Simplify purchasing and support.

1

Open Platform

Works with other open security platforms, cameras and hardware.

2

Unified Platform

Monitor and track your entire security operation from a single interface.

3

Lower Total Cost of Ownership

No surprise fees, additional support charges, or forced upgrades.

4

World Class Support

Our engineers are dedicated to resolving even your toughest challenges.

5

Global Technology Meets National Trust

Having attained the prestigious STQC certification in India, Vicon ushers in a new era of end-to-end cybersecure video surveillance, including its VMS and portfolio of cameras. This certification marks a significant milestone, as it enables Vicon to enter India's regulated security market as the first premium brand to offer a fully STQC-certified integrated video surveillance system.

We're proud to be part of India's mission to create secure, self-reliant digital infrastructures, fully aligned with the needs of PSUs, Smart Cities, Defence, Railways, and Government Installations.

Benefits of STQC Certification

STQC certification is a rigorous testing and quality assurance process that ensures surveillance equipment meets stringent national standards for security, performance, and reliability. The certification is part of India's broader strategy to safeguard its digital infrastructure against cyber threats.

What's in it for our partners?

- Differentiation and credibility in the market
- Global trade facilitation
- Product innovation and quality enhancement

What's in it for end-users?

- Enhanced data security
- Improved product reliability
- Compliance with legal requirements

You Have an Important Decision to Make

First Step: Choose the right supplier.

Make sure your security solutions provider offers a true end-to-end solution, with established integration partners, innovative technology, knowledgeable 24/7 customer support, and scores of delighted, long-term, repeat customers. Since 1967, companies and businesses of all sizes have placed their trust in Vicon's Security Solutions. Our global customer base is over 40,000 strong and spans a diverse array of industries, from the smallest franchisees, to enterprise Fortune 500 companies, to complex campus environments.

Leveraging the investment your company has made in security, surveillance, and facilities management can be an intimidating undertaking. **Choosing the right tools to help you integrate, deploy, and manage those resources is your critical first step.**

A robust, end-to-end security solution is essential to the safety and security of your employees, customers, property, and assets.

Servers

Cameras

✳ VICON

Valerus
VMS

Integration
Framework

Vicon delivers those end-to-end components that make up your comprehensive solution, and our integration framework allows you to manage everything as one centralized system, optimizing your security operations—locally, across multiple sites, and across the globe.

Manage your surveillance infrastructure with confidence.

Valerus Video Management Software (VMS)
Loaded with powerful features to improve response times, expedite searches, and reduce ongoing maintenance costs—Valerus streamlines every aspect of your security operations.

Application and Recording Servers
Our servers bundle the Valerus software, the recording software, and the Windows operating system, pre-installed, pre-tested, and certified for plug-and-play operation out-of-the-box.

Award–Winning STQC Certified Cameras
Having the right camera for your application is like having the right tool for the job, so we offer a diverse lineup to address our customers' requirements, no matter how challenging.

Integration Framework
This is the backbone of our data integration ecosystem, and allows us to roll out new integrations easier and faster to meet a variety of applications.

There's a Lot of Information Out There

Pulling it all together and helping you manage it—from a single user interface—is where Valerus VMS comes in.

Valerus provides all the features users count on to make their jobs easier and more intuitive. Its sophisticated—yet simple and flexible—interface helps you monitor video, audio, alarms, and system health, in real-time. Plus, it exponentially reduces the time you spend on post-incident investigations, and allows you to deploy and maintain your surveillance infrastructure with ease. Valerus software runs on a variety of platforms—from a small independent workstation, to a Vicon application server, to a large-scale virtual machine—to meet any customer application.

"Valerus licensing was less expensive than all the other VMS systems. Centralized management, remote access, and a customizable user interface help our team use the system to its maximum potential."

VP of Facilities, Major Health Partners

Platform Centralization
Interact with other applications, like access control, LPR, and gun detection, directly from the Valerus interface.

Interactive Maps
Control a variety of components (e.g., door strikes and PTZ movements) via icons overlaid on maps of your facility.

Customized User Interface
The UI is based on job responsibility and language of preference to dramatically reduce the learning curve.

Virtual Matrix Display Control (VMDC)
System Administrators can control a large number of monitors, or a monitor wall, through a single interface, eliminating the need to manage each client individually.

Remote Storage and Auto Archive
Map directly to, and store video on remote devices, including a NAS device, someone else's computer, another server, a data center, or the cloud.

Precision Search Tools
Expedite investigations and find, review, and export critical evidence with ease.

Intuitive Dashboards
Dramatically simplify day-to-day system administration operations, even for the most complex surveillance infrastructure.

Protect Your Data
Advanced cybersecurity settings and server redundancy help keep your data safe.

Try Before You Buy
Get a free trial version of Valerus software that includes fully functioning demos.

Alarm monitoring and response made easy.

Sophisticated alarm management can help you respond to critical situations quicker and more efficiently.

You can configure alarm inputs (like intrusion) to automatically trigger relay outputs (like a door strike) in response to critical situations (like a perimeter breach).

All alarm activity is recorded, providing you with an official record, complete with associated video and what action was taken by the operator.

Arm operators with specific step-by-step procedures they can follow in the event of an alarm, which helps eliminate guesswork.
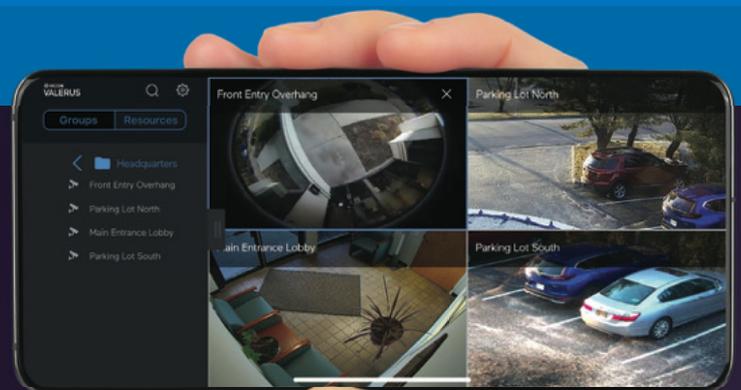
"As a system integrator, Vicon's cameras and Valerus VMS have become our go-to platform for delivering reliable, enterprise-grade surveillance to our customers."

AVP Presales, Hitachi Systems India

Check in on your business from wherever you are.

The Valerus app lets you view live and recorded video on your smartphone or tablet.

- Remotely conduct a "virtual patrol" to assess the situation in advance, prior to taking action.

- Stream video from your phone directly to Valerus—perfect for documenting live on-site patrols.

- Get notifications on your smartphone about events that are important to you.

When it comes to speed of investigation, you'll win!

AI-based analytics deliver substantial time savings when it comes to post-event searches because they filter out non-relevant motion-based events. By applying object classification rules, you'll limit your searches to just people and/or vehicles, as opposed to all motion. Hours spent searching through video can now be reduced to minutes, so you can find what you're looking for.

Museum Search
Search for motion in an area of recorded video, and receive a list of all events that occurred within that area. By searching only for motion triggered by people and/or vehicles, in designated areas, and within a certain time period, you will reduce the amount of non-relevant video you watch.

Thumbnail Search
Thumbnail versions of video help you search for specific incidents or a specific time frame in your video. Hover over a thumbnail to enlarge it so you can see the detail in the picture. Click on a thumbnail to jump to that specific date and time in the recording.

Event and Alarm Search
Quickly zero in on events and alarms to expedite your investigations. You can find a variety of events—from AI-based camera analytics, to LPR and access control events—in just a few clicks.

> "The Valerus system features a very easy-to-use interface that doesn't require a lot of technical experience, which allows us to do what we need to do."
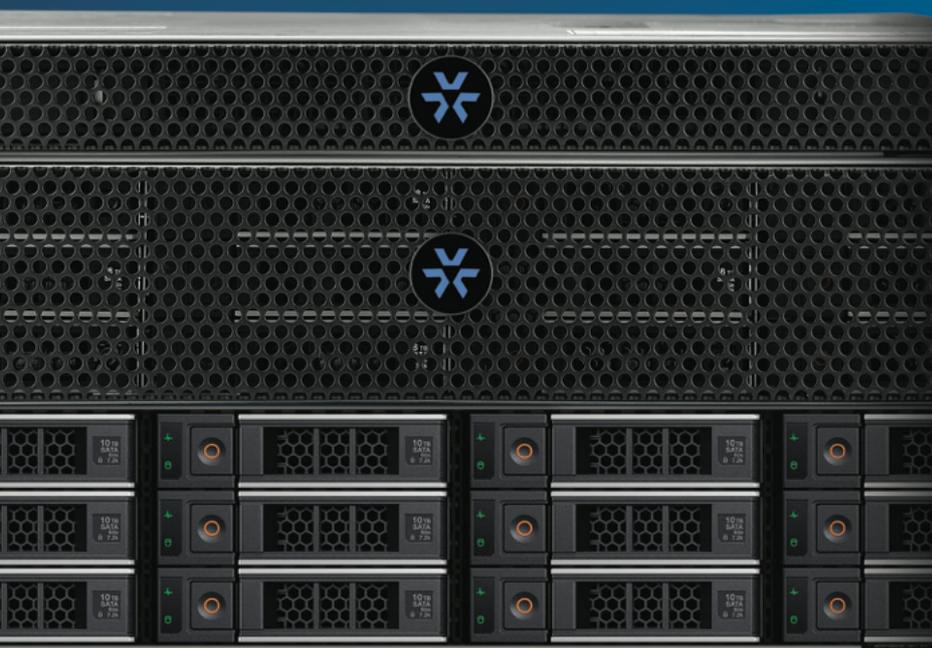>
> Managing Partner, Play Dog eXcellent

Keep all of your devices working optimally with Valerus health monitoring.

When you're in charge of managing and securing a large enterprise application—with potentially tens of thousands of cameras and recording devices—how can you keep track of the status of all those components and your network in real-time? The Valerus health dashboards give you an at-a-glance summary of your infrastructure, so you can quickly filter on issues and pinpoint concerns BEFORE a truck roll is needed.

Vicon's Server Line Scales in Performance to Match Your Requirements

Bundled with the Windows® OS and Valerus software, our servers provide you with a single interface to manage your entire surveillance infrastructure. Pre-installed, pre-tested, and certified for plug-and-play operation out-of-the-box.

More Throughput
Get higher throughput so you can manage more cameras than ever before.

Activate in Minutes
Simply activate your license in a few simple steps and you're ready to go.

Preloaded for Faster Installs
Valerus comes pre-installed and pre-configured, cutting down installation time.

Recording Servers communicate, stream, and record video and audio from the edge devices.

- JBOD versions accommodate up to 32TB storage, 100 cameras, and 200Mbps throughput

- RAID 5/6 versions accommodate up to 672TB storage, 250 cameras, and 800MBps throughput

- Available in small, 1U and 2U rack mount

Application Servers centrally manage the system, run the web server, and service the web clients.

- Available in 1U rack mount

- Incorporates dual redundant power

- Also includes Vicon's VAX Access Control application software

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Client Workstation Servers run Valerus VMS in a web browser for a powerful user interface.

- Accommodates up to four 4K monitors

- Available in 1U rack mount, and small and micro tower form factors

4K

Run all Cameras at 4K
Powerful processing lets you run all of your cameras at the highest frame rate and resolution.

5

5-Year Warranty
All servers are backed by a 5-year warranty with next business day, on-site support.

Trusted Technology
Built with Dell® & Intel® technology for long-lasting performance.

Deter Crime, Collect Evidence, Gain Peace-of-Mind

Vicon's STQC-certified camera portfolio.

We don't have to convince you about the importance of choosing the right cameras to protect your facility. Environmental and climate conditions, mounting requirements, lighting conditions, application and use cases, privacy considerations...these are just a few of the factors you'll need to consider when picking the right camera for the job. The good news is, Vicon has a camera for that.

Globally, businesses and manufacturers are scrambling to find high-quality cameras to meet strict STQC and NDAA regulations. That's why we developed our Roughneck line. These high-performance, cameras are the perfect fit for installations that require high-quality, affordable cameras that are not on the banned list.

STQC
|| गुणोत्कर्षे समृद्धि: ||

Onvif
S/G/T/M

GSA

TAA

U.S. HOUSE OF REPRESENTATIVES

5
5-year warranty

ROUGHNECK CAMERAS

The Roughneck advantage: STQC and NDAA-compliant, priced to compete.

The Roughneck Pro Series

With 19+ AI-based analytics onboard

Vicon's next-generation cameras are powered with advanced edge-based AI analytics, enabling real-time event detection and intelligent decision-making directly at the camera level — without the need for external servers. These analytics help identify, classify, and respond to critical human, vehicle, and object behaviors, ensuring faster alerts, optimized bandwidth, and enhanced situational awareness.

Human Behavior Analytics	
• Motion Detection • Line Crossing • Crossline Counting • Occupancy in Zone • Loitering • People Gathering • Face Recognition • Auto Face Enrollment* • Violence Detection*	Detect and analyze human presence, movement, and behavior patterns such as crowd formation, wrong direction, or abnormal activity. Detection Objects: Human & Head
Vehicle Behavior Analytics	
• Vehicle Recognition* • LPR (License Plate Recognition) • Wrong Way Detection • Parking Violation	Identify, classify, and monitor vehicle activity — detects traffic rule violations, recognizes license plates, and tracks direction of movement. Detection Objects: Car, Truck, Bus, Motorcycle, Bicycle
Object / Scene Analytics	
• Object in Zone • Abandoned Object • Removed Object • Heat Map • Tampering	Scene awareness functions — detect suspicious object placement/removal, camera tampering, and generate spatial heat maps for activity trends.
Safety & Compliance Analytics	
• PPE Detection* (Helmet, Vest, Goggles)	Monitor workplace safety by identifying compliance with personal protective equipment and safety rules.

• All analytics cannot run simultaneously.
• Features marked with an asterisk (*) are optional and available at an additional cost.

IP Fixed Domes

ROUGHNECK DOME

KEY FEATURES

- 2 MP
- 1/2.8" Sony STARVIS CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 3.1-10 mm lens
- Min. Color Illumination: 0.01 lux
- Temp: -40° to 140° F (-40° to 60° C)
- True WDR
- Motorized zoom and focus lens
- P-iris
- Smart IR. Up to 131.2 ft (40 m)
- Starlight low-light imaging
- Museum Search
- Audio and Alarm input/output
- Powered by PoE; 12 VDC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP67; IK10; NEMA-4X
- CE; FCC; BIS ER 01:2024

MODELS

V2102OD-W310MIR-A

ROUGHNECK COMPACT DOME

KEY FEATURES

- 2 MP
- 1/2.8" Sony STARVIS CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- Fixed 2.8 mm lens
- Min. Color Illumination: 0.01 lux
- Temp: -13° to 158° F (-25° to 70° C)
- True WDR
- Smart IR. Up to 98.4 ft (30 m)
- Built-in microphone
- Starlight low-light imaging
- Museum Search
- Audio and Alarm input/output
- Powered by PoE; 12 VDC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- EN50155:2017 Certified.
- IP67; IK10; NEMA-4X
- CE; FCC; BIS ER 01:2024

MODELS

V2102CD-W28IR-A

ROUGHNECK PRO DOME

KEY FEATURES

- 5 MP
- 1/2.7" CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 2.7-12 mm lens
- Min. Color Illumination: 0.08 lux
- Temp: -22° to 131° F (-30° to 55° C)
- HDR Gen3 Engine
- Dual heaters
- Motorized zoom and focus lens
- P-iris
- Smart IR. 164 ft (50 m)
- Roughneck Pro AI-Based Analytics
- Audio and Alarm input/output
- Powered by PoE; 12 VDC; 24 VAC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP66; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2005D-VF312-B

IP Fixed Domes

ROUGHNECK PRO DOME 4K

KEY FEATURES

- 4K (8 MP)
- 1/1.8" CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 3.6-11 mm lens
- Min. Color Illumination: 0.08 lux
- Temp: -22° to 131° F (-30° to 55° C)
- HDR Gen3 Engine
- Dual heaters
- Motorized zoom and focus lens
- P-iris
- Smart IR. 164 ft (50 m)
- Roughneck Pro AI-Based Analytics
- Audio and Alarm input/output
- Powered by PoE; 12 VDC; 24 VAC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP66; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2008D-VF411-B

ROUGHNECK PRO 360° PANORAMIC DOME

KEY FEATURES

- 12 MP
- 1/1.6" Sony CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- Fixed 1.7 mm lens
- Min. Color Illumination: 0.08 lux
- Temp: -22° to 131° F (-30° to 55° C)
- HDR Gen3 Engine
- Dual heaters
- Fisheye lens; 360° panorama at full HD
- Smart IR. 49 ft (15 m)
- Roughneck Pro AI-Based Analytics
- Built-in microphone
- Audio and Alarm input/output
- Powered by PoE; 12 VDC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP66; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2012FE-B

TPM-Secured Hardware

Onboard TPM ensures trusted device identity, secure boot, and enhanced cybersecurity for critical deployments.

IP Bullet Cameras

ROUGHNECK BULLET

KEY FEATURES

- 2 MP
- 1/2.8" Sony STARVIS CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 3.1-10 mm lens
- Min. Color Illumination: 0.01 lux
- Temp: -40° to 140° F (-40° to 60° C)
- True WDR
- Motorized zoom and focus lens
- P-iris
- Smart IR. Up to 196.8 ft (60 m)
- Starlight low-light imaging
- Museum Search
- Audio and Alarm input/output
- Powered by PoE; 12 VDC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP67; IK10; NEMA-4X
- CE; FCC; BIS ER 01:2024

MODELS

V2102B-W310MIR-A

ROUGHNECK PRO BULLET

KEY FEATURES

- 5 MP
- 1/2.7" CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 2.7-12 mm lens
- Min. Color Illumination: 0.08 lux
- Temp: -22° to 131° F (-30° to 55° C)
- HDR Gen3 Engine
- Dual heaters
- Motorized zoom and focus lens
- P-iris
- Smart IR. 164 ft (50 m)
- Roughneck Pro AI-Based Analytics
- Audio and Alarm input/output
- Powered by PoE; 12 VDC; 24 VAC
- SD card slot for on-camera storage
- Metal and plastic housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP67; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2005B-VF312-B

ROUGHNECK PRO BULLET 4K

KEY FEATURES

- 4K (8 MP)
- 1/1.8" CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 3.6-11 mm lens
- Min. Color Illumination: 0.08 lux
- Temp: -22° to 131° F (-30° to 55° C)
- HDR Gen3 Engine
- Dual heaters
- Motorized zoom and focus lens
- P-iris
- Smart IR. 164 ft (50 m)
- Roughneck Pro AI-Based Analytics
- Audio and Alarm input/output
- Powered by PoE; 12 VDC; 24 VAC
- SD card slot for on-camera storage
- Metal housing
- Reset button
- ONVIF Profile S/ G/ T/ M
- IP67; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2008B-VF411-B

IP PTZ Cameras

ROUGHNECK PRO PTZ

KEY FEATURES

- 5 MP
- 1/2.8" Sony CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 4.25-170 mm (5 MP); 40X optical zoom
- Advance/Smart IR (automatic): 820 ft (250 m)
- Min. Color Illumination: 0.02 lux
- Temp: -40° to 122° F (-40° to 50° C)
- LiDAR / Wiper
- Auto-Tracking (People)
- Electrical Image Stabilizer (EIS)
- HDR Gen3 Engine
- Starlight low-light imaging
- Roughneck Pro AI-Based Analytics
- Dual heaters
- Two-way audio
- Alarm input/output
- Powered by PoE; 24 VAC
- SD card slot for on-camera storage
- ONVIF Profile S/ G/ T/ M
- IP66; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2005PTZ-40XIR-B

ROUGHNECK PRO PTZ 4K

KEY FEATURES

- 4K (8 MP)
- 1/1.8" Sony CMOS
- STQC - certified
- NDAA - compliant
- H.265/H.264 and M-JPEG compression
- Quad streaming
- 6.9 - 214.6 mm (8 MP); 31X optical zoom
- Advance/Smart IR (automatic): 820 ft (250 m)
- Min. Color Illumination: 0.0125 lux
- Temp: -40° to 122° F (-40° to 50° C)
- LiDAR / Wiper
- Auto-Tracking (People)
- Electrical Image Stabilizer (EIS)
- HDR Gen3 Engine
- Starlight low-light imaging
- Roughneck Pro AI-Based Analytics
- Dual heaters
- Two-way audio
- Alarm input/output
- Powered by PoE; 24 VAC
- SD card slot for on-camera storage
- ONVIF Profile S/ G/ T/ M
- IP66; IK10
- CE; FCC; UL, BIS ER 01:2024

MODELS

V2008PTZ-30XIR-B

LiDAR-Powered Auto-Tracking

Built-in LiDAR delivers ultra-precise auto-tracking, ensuring reliable target detection even in low light, fog, or crowded environments.

ROUGHNECK PRO BOX CAMERA

ROUGHNECK PRO BOX CAMERA 4K

KEY FEATURES
• 5 MP
• 1/2.7" CMOS
• STQC - certified
• NDAA - compliant
• H.265/H.264 and M-JPEG compression
• Quad streaming
• Min. Color Illumination: 0.008 lux
• Temp: -22° F ~ 131° F (-30° C ~ 055° C)
• HDR Gen3 Engine
• Starlight low-light imaging
• Roughneck Pro AI-Based Analytics
• Audio and Alarm input/output
• Built-in microphone
• Support megapixel DC iris, P-iris or i-CS lens option
• Built-in ABF button for easy focs
• Powered by PoE; 12 VDC; 24 VAC
• SD card slot for on-camera storage
• iCS lens, environmental housing, with wall mount, and IR illuminator also available
• Metal and plastic
• Reset button
• RS 485
• ONVIF Profile S/ G/ T/ M
• CE; FCC; UL, BIS ER 01:2024

KEY FEATURES
• 4K (8 MP)
• 1/1.8" CMOS
• STQC - certified
• NDAA - compliant
• H.265/H.264 and M-JPEG compression
• Quad streaming
• Min. Color Illumination: 0.008 lux
• Temp: -22° F ~ 131° F (-30° C ~ 55° C)
• HDR Gen3 Engine
• Starlight low-light imaging
• Roughneck Pro AI-Based Analytics
• Audio and Alarm input/output
• Built-in microphone
• Support megapixel DC iris, P-iris or i-CS lens option
• Built-in ABF button for easy focs
• Powered by PoE; 12 VDC; 24 VAC
• SD card slot for on-camera storage
• iCS lens, environmental housing, with wall mount, and IR illuminator also available
• Metal and plastic
• Reset button
• RS 485
• ONVIF Profile S/ G/ T/ M
• CE; FCC; UL, BIS ER 01:2024

MODELS
V2005BX-NL-B

MODELS
V2008BX-NL-B

Mounting Options

Roughneck Pro Dome | V2005D-VF312-B | V2008D-VF411-B

Wall Mount Bracket V200XD-WB01	Mini Rugged Dome Mounting Kit V200XD-PC01	T-Bar V200XD-CM01	Junction Box/ Backbox V200XD-BB002

Roughneck Pro Bullet | V2005B-VF312-B | V2008B-VF411-B

Wall Mount Bracket V200XB-WB01	Pole Mount (Waterproof) V200XB-PC02	

Roughneck Pro Panoramic Dome | V2012FE-B

Wedge Mount Bracket V2012FE-WM01	Panoramic Dome Pendant Mounting Kit V2012FE-PC01	Panoramic Dome Conduit Adaptor V2012FE-CA01	

Roughneck Pro PTZ | V2005PTZ-40XIR-B | V2008PTZ-30XIR-B

Standard Pendant Mount (Pelco Thread) V200XPTZ-WM01	Mini Pendant Mount (Pelco Thread) V200XPTZ-WM02	Outdoor Mounting Kit + Grommet + Anti-drop Chain V200XPTZ-PC01	Corner Plate Mini V200XPTZ-CM01	Corner Standard Mounting Plate V200XPTZ-CM02	Pole Direct Mounting V200XPTZ-PM01

Roughneck Dome, Bullet and Compact Dome | V2102B-W310MIR-A | V2102OD-W310MIR-A | V2102CD-W28IR-A

Backbox for Dome, Bullet V200XD-BB001	Ceiling Mount for Dome V2102OD-W310MIR-A V2000D-IC	Backbox for ease of cabling for the compact dome V2102CD/W28IR-A V2000D-MICRO-BOX	

Roughneck Pro Box | V2005BX-NL-B | V2008BX-NL-B

Lens 1-1/8 in. 9-50 mm V0950VF-ICS	Camera Housing with Wall Bracket (no IR) V-HSG-POE	IR Illuminator and Housing 140 m; for V-HSG-POE housing V-IR-140	Pole Mount Bracket; for V-HSG-POE V-HSG-PM	Camera Housing with Wall Brackets; 50M IR HPOE-100	1/2.7"; CS Mount; 5-55mm, F/1.6-360, DC Auto Iris V5-55VF

Ultimate Protection for Hazardous Zones – Engineered for Extreme Environments

Explosion-Proof Housings Built for Class I - Zone 1 Environment
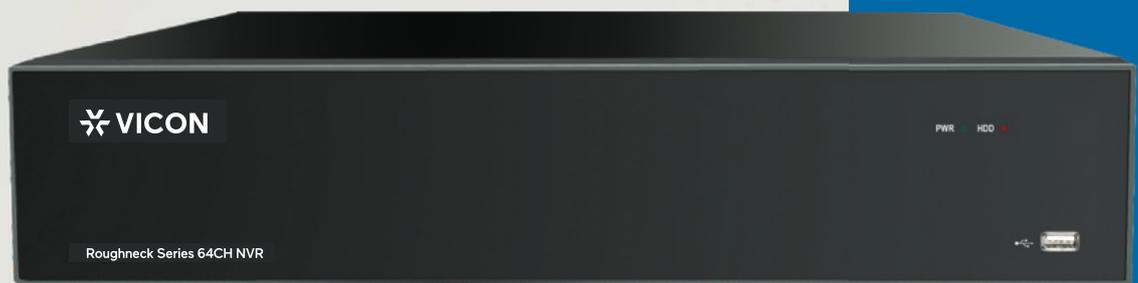(ATEX, IECEx & PESO Compliant)

V20HSG-FXXP (Fixed)	V20HSG-PTXP (PTZ)
Fixed Explosion-Proof Housing	PTZ Explosion-Proof Housing
Fixed monitoring; ideal for static, high-risk zones	Full PTZ capability: 360° pan + wide tilt for large-area coverage
Smart IR (100m / 200m) with optional wiper for clarity in harsh environments	Long-range IR up to 200m with intelligent night performance and adaptive focal speed control
Heavy-duty stainless steel 304/316L body with reinforced window	Ruggedized stainless steel 316L PTZ dome with integrated wiper & servo-controlled motors
AC100–240V / AC24V / DC24V / PoE++ Optional fiber output	AC100–240V / AC24V / DC24V / PoE++ Built-in decoder, alarms, wiper control & fiber option
ATEX, IECEx, PESO, IP68/69, Gas Zone 1/2, Dust Zone 21/22	ATEX, IECEx, PESO, IP68/69, Gas Zone 1/2, Dust Zone 21/22
Pipelines, storage tanks, confined zones, access control points	Refineries, tank farms, offshore rigs, terminals, large industrial perimeters
Compatible with Vicon GZoom V2005BX-VF40X-B Camera	Compatible with Vicon GZoom V2005BX-VF40X-B Camera

Enterprise–Grade Recording Platforms Built for Performance, Security & Scalability

Vicon NVRs are engineered for mission-critical CCTV deployments, offering exceptional recording performance, advanced cybersecurity, long-term reliability, and seamless integration with Valerus VMS.

- High Throughput Recording
- Optimized for AI Cameras
- Cybersecure Architecture
- Plug-and-Play Installation
- RAID Support
- Scalable Storage
- Unified Platform

Roughneck Series 64CH NVR

Roughneck Series 128CH NVR

Designed to support both edge analytics and high-resolution IP cameras, the series delivers smooth, uninterrupted video recording across small to large-scale surveillance environments.

Roughneck Series Network Video Recorder

ROUGHNECK SERIES MOBILE NVR

KEY FEATURES

- 8 Channel
- 2X SATA HDD (2.5")
- Up to 8TB capacity for each HDD
- IPCAM Throughput (total): Average: 80 Mbps; Peak: 120 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP
- 1X HDMI and 1X VGA
- Video Compression: H.264/H.265
- Linux/Windows 10 LTSC
- Intel® Alder Lake i3-N305, 8-cores (Optional: N97, X7425E)
- USB Interface: 2X USB 3.0
- Mini-SIM card slot: 2X
- Digital Input/Output: 2 in/2 out
- Serial Interface: 1X, Simply RS232, Terminal Block
  1X, RS485, Terminal Block
  1X, CAN bus, Terminal Block
- Built-in Intel WiFi/BT Module: 1X, 802.11 A/B/G/N/AC/AX, M.2 E-key ; 2X, SMA
- Built-in Telit 5G/LTE Module: 1X, 5G Rel 17 + LTE Cat 4, M.2 B-key; 2X, SMA
- Network Port: 2X, 10/100/1000 Mbps, M12 8-Pin
- LAN port with POE: 8X, 10/100 Mbps, M12 4-Pin
- PoE Level: 8X, IEEE 802.3 af/at (80 W)
- CE, FCC, BIS, EN 50155/IEC 60571, IEC 60068-2-10

MODELS

MNVR-IN08-2025

ROUGHNECK SERIES 8CH NVR

KEY FEATURES

- 8 Channel
- 1X SATA HDD (3.5")
- Up to 8TB capacity for each HDD
- Bandwidth: Incoming - 76 Mbps; Outgoing - 32 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP (1080p Full HD), 1.3MP (960p), 1MP (720p HD)
- 1X HDMI and 1X VGA
- Video Compression: H.264/H.265/ H.264+/H.265+
- Audio Compression: G.711a, G.711u
- USB Interface: Front: 1X USB2.0; Rear: 1X USB2.0
- Audio Input/Output: 1
- Network Interface: 1X RJ45 10/100 Base-T
- ONVIF Compatible: Yes
- Mobile Application Support: Yes
- VMS Support: Yes with Vicon Valerus
- Power Supply: DC 12V/2A (3.3 W)
- CE, FCC, BIS, RoHS

MODELS

NVR-IN08-2025

ROUGHNECK SERIES 16CH NVR

KEY FEATURES

- 16 Channel
- 2X SATA HDD (3.5")
- Up to 8TB capacity for each HDD
- Bandwidth: Incoming - 112 Mbps; Outgoing - 96 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP (1080p Full HD), 1.3MP (960p), 1MP (720p HD)
- 1X HDMI and 1X VGA
- Video Compression: H.264/H.265/ H.264+/H.265+
- Audio Compression: G.711a, G.711u
- USB Interface: Front: 1X USB2.0; Rear: 1X USB2.0
- Audio Input/Output: 1
- Network Interface: 1X RJ45 10/100 Base-T
- ONVIF Compatible: Yes
- Mobile Application Support: Yes
- VMS Support: Yes with Vicon Valerus
- Power Supply: DC 12V/2A (3.3 W)
- CE, FCC, BIS, RoHS

MODELS

NVR-IN16-2025

Roughneck Series Network Video Recorder

ROUGHNECK SERIES 32CH NVR

KEY FEATURES

- 32 Channel
- 4X SATA HDD (3.5")
- Up to 10TB capacity for each HDD
- Bandwidth: Incoming - 256 Mbps; Outgoing - 128 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP (1080p Full HD), 1.3MP (960p), 1MP (720p HD)
- 2X HDMI and1 X VGA
- Video Compression: H.264/H.265/ H.264+/H.265+
- Audio Compression: G.711a, G.711u
- USB Interface: Front: 1X USB2.0; Rear: 1X USB3.0 + 1X USB2.0
- Audio Input/Output: 1
- Alarm Input/Output: 16 in/1 out
- Network Interface: 2X RJ45 100/1000 Base-T
- ONVIF Compatible: Yes
- Mobile Application Support: Yes
- VMS Support: Yes with Vicon Valerus
- Power Supply: DC 12V/5A (12 W)
- CE, FCC, BIS, RoHS

MODELS

NVR-IN32-2025

ROUGHNECK SERIES 64CH NVR

KEY FEATURES

- 64 Channel
- 8X SATA HDD (3.5")
- Up to 18TB Enterprise Class capacity for each HDD (up to 12TB Surveillance HDD)
- 1X e-SATA
- RAID0, RAID1, RAID5, RAID6, RAID10
- Bandwidth: Incoming - 640 Mbps; Outgoing - 640 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP (1080p Full HD), 1.3MP (960p), 1MP (720p HD)
- 3X HDMI: 4K 1X HDMI: 2K
- Video Compression: H.264/H.265/ H.264+/H.265+
- Audio Compression: G.711a, G.711u
- USB Interface: Front: 1X USB2.0; Rear: 1X USB3.0 + 1X USB2.0
- Audio Input/Output: 1
- Alarm Input/Output: 16 in/1 out
- RS232: 1X RJ45 Type
- RS485: 1
- Network Interface: 2 RJ45 100/1000 Base-T
- ONVIF Compatible: Yes
- Mobile Application Support: Yes
- VMS Support: Yes with Vicon Valerus
- Power Supply: AC 230V SMPS, ATX 250W (8 W)
- CE, FCC, BIS, RoHS

MODELS

NVR-IN64-2025

ROUGHNECK SERIES 128CH NVR

KEY FEATURES

- 128 Channel
- 16X SATA HDD (3.5")
- Up to 18TB Enterprise Class capacity for each HDD (up to 12TB Surveillance HDD)
- 1X e-SATA
- RAID0, RAID1, RAID5, RAID6, RAID10
- Bandwidth: Incoming - 1024 Mbps; Outgoing - 800 Mbps
- Recording Resolution: 8MP, 5MP, 3MP, 2MP (1080p Full HD), 1.3MP (960p), 1MP (720p HD)
- 3X HDMI: 4K 1X HDMI: 2K
- Video Compression: H.264/H.265/ H.264+/H.265+
- Audio Compression: G.711a, G.711u
- USB Interface: Front: 1X USB2.0; Rear: 1X USB3.0 + 1X USB2.0
- Audio Input/Output: 1
- Alarm Input/Output: 16 in/1 out
- RS232: 1X RJ45 Type
- RS485: 1
- Network Interface: 2X RJ45 100/1000 Base-T
- ONVIF Compatible: Yes
- Mobile Application Support: Yes
- VMS Support: Yes with Vicon Valerus
- Power Supply: AC 230V SMPS, ATX 250W (≤20 W)
- CE, FCC, BIS, RoHS

MODELS

NVR-IN128-2025

VICON OFFERS

Professional Services

Selecting a security system marks the beginning of a long-term relationship between customer, integrator, and manufacturer. While installation may not be complete for some time, your financial and emotional investment begins at the time you make that commitment to purchase. It's important for you to feel confident in your choice from day one, even before your system is operational. And Vicon is determined to make that happen, offering a range of professional services that ensures your entire experience is trouble-free.

Deep Technical Experience

Vicon's Field Sales Engineers work hand-in-hand with both end users and integrators to get insight into specific requirements and ensure the Vicon solution meets everyone's expectations.

Free India-Based Tech Support

End users and integrators alike can reach out to Vicon's tech support 24/7 and can expect the fastest resolution time in the industry. Also, Vicon can remote into your system for even faster resolution.

Software Upgrade Protection Plan (UPP)

Vicon's UPP subscription is probably the most affordable software protection plan you will find. Investing a few dollars per year will ensure your software is at peak performance, with the latest features.

Free Learning Development

Vicon offers ongoing opportunities for you to learn about our latest advancements in technology, as well relevant industry topics.

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