



Llevando la
frontera de
la seguridad
electrónica
mas allá de
los límites





Somos la Empresa
Chilena líder en LATAM
especializada en entregar
soluciones de seguridad
electrónica basadas en IA
para el cuidado de
objetivos críticos



30 años de experiencia diseñando, implementando y manteniendo soluciones de alta tecnología para clientes de alto perfil.

Contamos con el mejor equipo de diseño y modelado de soluciones, un experimentado equipo de programadores y un valioso equipo técnico de implementación que nos ha permitido liderar el Mercado de soluciones en el campo de la seguridad electrónica basada en IA, robótica aplicada y reconocimiento biométrico focalizados siempre en las necesidades específicas de nuestros clientes.



Nuestros hitos



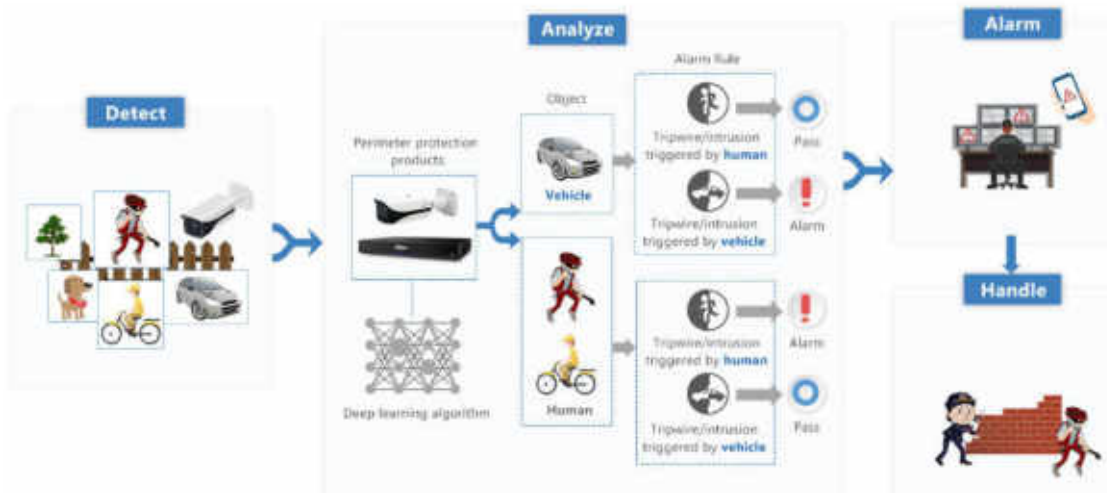
- 1er equipo DVRs en el sistema bancario chileno – Banco Estado
- 1er sistema de alarma con doble chip en ATMs en Chile – Banco Estado
- 1er sistema centralizado de monitoreo CCTV en la banca chilena cubriendo 300 sucursales en todo Chile – Banco Estado
- 1era Cadena de Farmacia contar con 300 sucursales en sistema integrado de CCTV y alarma monitoreado en tiempo real desde central propia – Farmacia Ahumada
- 1er Empresa de valores en contar con camiones de valores con cámaras que permiten la trazabilidad de todo el proceso de carga y transporte de valores – PROSEGUR
- 1er sistema de grabación de alta resolución de proceso de conteo de alto valor – BRINKS Chile



Nuestros hitos en robótica

- 1er Robot asistencia comercial en un Hipermercado—Jumbo Bilbao
- 1er Robot asistencia en un Mall—Mall Plaza Dominicos
- 1er Robot de seguridad patrullando plazas públicas—Vitacura
- 1era Municipalidad en contar con funcionario municipal robot—Vitacura
- 1er Mall en contar con guardia robot—Mall Plaza
- 1er Robot Seguridad en Parque Eólico - ENEL

SOMOS EXPERTOS EN DISEÑAR SISTEMAS SEGURIDAD ELECTRONICA QUE PERMITAN DETECTAR LAS AMENAZAS EN FORMA PREVENTIVA CON EXITO



TRABAJAMOS CON LOS MAS ALTOS STANDARES QUE ASEGURAN RESULTADOS TANGIBLES EN EL CORTO PLAZO



Precisión

La tasa de falsas alarmas activadas por animales, movimiento de árboles, sombras y luces brillantes es significativamente menor que las soluciones IVS tradicionales.



Detección a mayor Distancia

Requiere un 64% menos de píxeles para el reconocimiento en comparación con las soluciones IVS tradicionales, lo que permite que cada cámara de protección perimetral cubra áreas más grandes desde más lejos.



Clasificación de Objetivos

Diferenciar el tipo de alarma en humano y vehículo.
Se pueden establecer reglas para de acuerdo con los requisitos reales.



Búsqueda Rápida

Utilice la función de "búsqueda inteligente" para buscar rápidamente imágenes de video por tipo humano o vehículo.
Facilita a los usuarios finales para hacer rastreo y analizar información histórica.



SEGURIDAD ACTIVA : SEGURIDAD AUTONOMA





ROBOT CONTROL DE ACCESO

Reemplaza a funcionarios en el control de ingreso a sitios críticos, asegurando el cumplimiento de los protocolos de ingreso.

- ✓ **Reconomiento facial**
- ✓ **Lectura de RUT**
- ✓ **Control de temperatura**
- ✓ **Lectura de código QR con aviso a funcionario visitado.**

Servicio 7x24 y trazabilidad on line

MODULO CONTROL DE VISITAS



ACREDITAMEYA permite agendar reuniones con visitas externas en forma fácil y segura mediante la generación de un código QR único válido para ese evento y persona, permitiendo autorizar su ingreso y su salida,

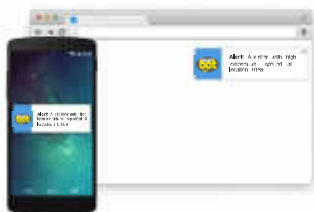


Cada visita está sujeta al control de **MODULO SANITARIO** que en caso de detectar una anomalía térmica o contesta en forma incorrecta las preguntas, se rechaza su ingreso y se da aviso al operador remoto

Más Avanzado Sistema de Notificación Remota



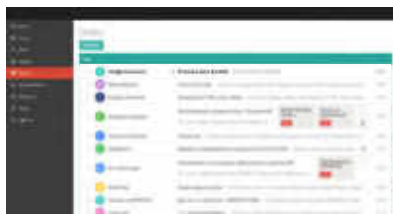
Text message notification



E-mail notification



CRM and Access Control system notification



Browser notification sent to the operator's monitor



Información en tiempo real

- Nombre
- Genero
- Edad
- Temperatura
- Horario y lugar



The interface displays a video feed of a woman's face with several white tracking points overlaid on her features. To the right of the video, a table provides real-time data. Below the video and table is a search bar with a question mark icon on the left and a microphone icon on the right. The "promobot" logo is centered at the bottom of the interface.

Name: Samantha Smith	
Gender:	Female
Age:	25
Temperature:	97.8
Time of visit:	10:30

promobot

CONTROL SEGURIDAD PERIMETRAL
Y SEGURIDAD INTERIOR





CONTROL PREVENTIVO Y ACCION INMEDIATA



PRESENTACION EN SOCIEDAD EN MUNICIPALIDAD DE VITACURA







EQUIPADO CON LA MAS POTENTE CÁMARA PTZ TÉRMICA
INCLUYE RECONOCIMIENTO FACIAL, SEGUIMIENTO AUTOMÁTICO DE
OBJETIVOS Y PATRULLAJE AUTÓNOMO



SCORPION

- TODO TERRENO
- SUBE Y BAJA ESCALERAS
- EXCLUSIVO SISTEMA DE DETECCIÓN DE INTRUSOS
- EXCLUSIVO SISTEMA DE DRONE EMBARCADO

SCORPION CUENTA CON SISTEMA DE INMOBILIZACION DE INTRUSOS DE TECNOLOGIA NO LETAL UNICO EN EL MERCADO





CORPORATE OVERVIEW

- ▶ Valerus Video Management Software
- ▶ VAX Access Control Systems
- ▶ High-Performance Cameras



LA MAS COMPLETA LINEA DE SOLUCIONES DE VIDEO



Valerus Video Management
Software & Hardware



Catalog of Analog, IP &
Thermal Cameras



Access Control
Hardware & Software



Vicon es la marca preferida en USA para la protección de activos críticos

EDUCATION



HOSPITALS



CORRECTIONS



Baltimore
Correctional



Miami-Dade
Correctional



Maryland
Correctional



Philadelphia Industrial
Correctional

COMMERCIAL PROPERTY



DOW JONES



Mercedes-Benz



SONGHA

GOVERNMENT



U.S. ARMY



AIRPORTS & TRANSPORTATION



SAN DIEGO
INTERNATIONAL AIRPORT



Light Rail



LCH



CALHOUN
Port Authority

UTILITIES - MANUFACTURING



BANKING



ABPCapital



DeLaRue



Town and
Country Bank



Guaranty Bank

VALERUS 21 FEATURES



NEW FEATURES

Alarm Management • Enhanced Dashboard • Improved Cybersecurity • Thick-Client





Snapshot

Quickly and easily pull a still image for live or recorded playback

- Quickly document incidents and suspects
- Easy-access button on player
- Save to a variety of filetypes



Highly-Adaptive User Interface

Failover and Data Protection

Smart Analytics

Forensic Search Tools

Access Control Integration

Graphical Mapping

Automated Configuration

Lowest Cost of Ownership



Audit Log

Quickly track user activities within Valerus

- Easily identify critical settings changes or suspicious behavior
- Straight-forward filters make finding an incident fast

Date & Time	User Action / Command
1/27/2020 9:05:45 AM	Login to the application: admin
1/19/2020 1:03:47 PM	Login to the application: admin
1/19/2020 1:11:09 PM	Started Live Video Camera V9360
1/19/2020 1:11:02 PM	user has clicked configuration button on V9360
1/19/2020 1:11:03 PM	Clicked to video_channels
1/19/2020 1:11:03 PM	Clicked to Channel Properties
1/19/2020 3:04:15 PM	Clicked to dashboard
1/19/2020 3:04:16 PM	Clicked to home

Highly-Adaptive User Interface

Failover and Data Protection

Smart Analytics

Forensic Search Tools

Access Control Integration

Graphical Mapping

Automated Configuration

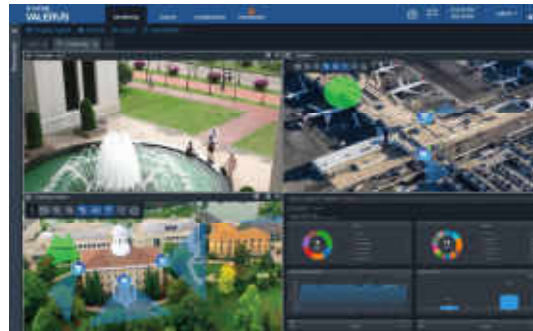
Lowest Cost of Ownership

Version - Valerus 21

Valerus es un Sistema de Administración de Video intuitivo para usuarios de todos los niveles basado en una filosofía de Plataforma Abierta multi protocolo

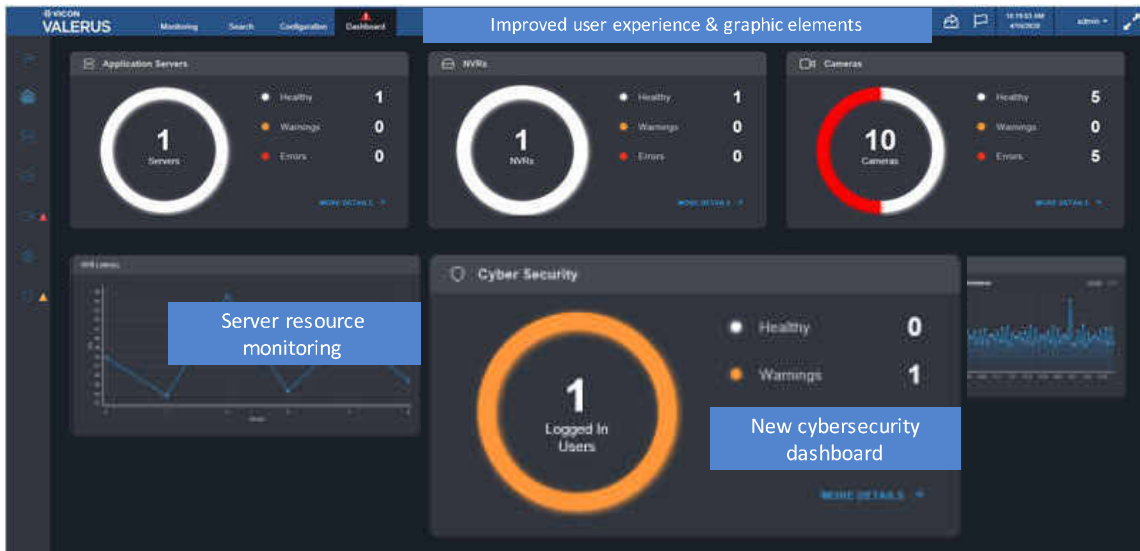
Funciones que incluye:

- Administración de Alarmas
- Mobile video streaming
- Health dashboard
- Geo-mapping
- Snapshots
- Audit log
- Thick-client program
- Direct 3rd Party Integrations



Enhanced Health Dashboard

Understand the health of your system at-a-glance.

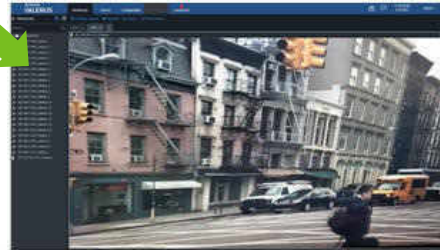


Mobile Video Streaming

Convierte tu celular en una poderosa cámara de seguridad integrada al Sistema



- Stream video directamente desde tu Android o iOS device a la Plataforma unificada Valerus
- Video es almacenado como si fuera originado por una cámara de seguridad tradicional
- Ideal para documentar patrullas e incidentes en forma Segura, que en otro caso se perderían



Navigate Large-Scale Systems Visually



- Improve response time by replacing confusing camera trees and groups
- Quickly pinpoint location of alarms or triggers
- Maps can be built from external or internal views of the protected area
- Live geo-maps or static maps supported
- Access true location by address or coordinates

(Maps can be linked or layered,
making it easy to navigate to
the exact location of
importance)



VALERUS Monitoring

View your entire system geographically with live camera icons

The screenshot displays the VALERUS monitoring software interface. At the top, the title bar shows 'VALERUS Monitoring' and various system status icons. Below the title bar, a navigation pane on the left lists system components. The main area features a 3D aerial view of a facility with several blue circular icons representing live cameras. A red circle highlights a specific icon on the left side of the map. A callout box points to this icon with the text 'Quick links jump to adjacent area maps'. Another callout box points to a camera icon with the text 'Icons represent real system resources with highlighted FOV'. A third callout box points to a camera icon with the text 'Icons change state through animation, providing immediate visual notification'. A fourth callout box points to a video overlay window showing a live camera feed of a building, with the text 'Click any icon for live video & playback overlay'. A 'Watch Video' button is located in the bottom right corner of the interface.

Quick links jump to adjacent area maps

Icons represent real system resources with highlighted FOV

Icons change state through animation, providing immediate visual notification

Click any icon for live video & playback overlay

Watch Video

Interactive Mapping

VALERUS

Monitoring

Search

Configuration

Dashboard



10:00 AM
8/26/2019

admin



Change Layer Map All Open Synchronization

View

Monitoring System



Geo-Mapping

- Easily add live maps via coordinates or addresses
- Access true location by address or coordinates
- Eliminate confusing camera trees
- Precise monitoring of camera layouts over large areas





Full Selection of IP Cameras

The screenshot shows the VALERUS software interface. On the left is a dark sidebar with a tree view of camera devices. The main area displays a large video feed of a harbor scene with several boats. Below the main feed is a grid of smaller, dimmed video feeds. The interface includes a top navigation bar with tabs for 'Monitoring', 'Search', 'Configuration', and 'Hardware'. A search bar is located in the top right of the main area.

Latest Models

- Thermal Body Temperature Camera
- New 4K PTZ and fixed Cameras
- Multi- sensor 180° Cameras
- Thermal PTZ camera with Radar
- High Security cameras
- Camera Embedded Analytics

Vicon's Camera Line-Up

V2000D/V2000B



V2100D/V2100B/
V2100 MICRO BULLET



V2360W-12-
Panoramic



V2008-W-NL Box
Camera



Fixed Thermal



V1110B-THM-Temp
Thermal Body
Temperature



Thermal Biometric Kiosk



V1000 Series
Multi Sensor 360



V1000 Series
Multi Sensor 180



Explosion Proof



Thermal Sensor



V922B-
W551MIR-A



SN673V-C Cruiser



SN683D-WIR



SN688D-WIR



SN693V Cruiser



Roughneck V-CELL





Vicon's Advanced Edge-Based Analytics



- Loitering
- Object Left/Removed
- Intelligent Motion Detection
- Crowd Detection
- Wrong Direction
- Line-Cross Counter
- Intrusion Detection

Getting the most of your Video Management System

- Setup in minutes, not hours
- ONVIF compliance makes them compatible with most major VMS's
- Valerus allows for multiple viewing and playback options
- Can you make a video with what you showed me on Valerus during our Teams screen share?



Edge-Based Analytics in Valerus VMS

- Create alarms from events
- Trigger event-based recording
- Search historical events with Event Search

PROACTIVE VIDEO SURVEILLANCE



Introducing Our New
**NDAA-Compliant
Roughneck Series**

Our new NDAA-compliant line of cameras,
competitively positioned to become your
new camera of choice.



Return of the Roughneck

STRONGER, TOUGHER, NDAA COMPLIANT

- Reliable, durable and intelligent surveillance for any application
- Integrates seamlessly with any open-platform VMS
- Aggressively priced to become your camera of choice



Why NDAA Regulations Matter

- 2019 National Defense Authorization Act (Section 889) effective August 2020
- Bans several Chinese security camera and component manufacturers (Dahua, Hikvision, Huawei) and their OEMs
- Major disruption in the Video Surveillance Equipment market
- These new cameras deliver peace of mind for Federal opportunities





Seamlessly Integrates with Open-Platform Systems

AVIGILON



Genetec



SALIENT



exacq
Ven Tyco Security Products

n^x networkoptix

tyco | American Dynamics



IndigoVision
a Motorola Solutions Company

COSTAR
VIDEO SYSTEMS



Meet the New Roughnecks



Roughneck

For applications that don't require advanced features

GSA/NDAA compliant
ONVIF compliant
H.265 smart compression
IP67 / IK10 or IK08 rated
120 dB WDR
Smart IR
Standard Analytics

Roughneck Pro

For high-performance applications requiring advanced features and processing

GSA/NDAA compliant
ONVIF compliant
H.265 smart compression
IP67 / IK10 rated
120 dB WDR
Adaptive IR
Advanced Analytics
Starlight low-light imaging
Supports alarms and audio
Supports colder operating temperatures (-40° F vs -22° F)



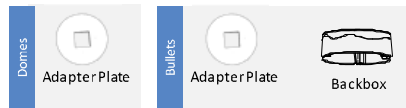
Roughneck Series

Roughneck Domes & Bullets



- Available in 2 MP or 5 MP
- Suitable for indoor or outdoor applications
- Auto-focus motorized zoom lens (3.2x zoom)
- True WDR & Smart IR deliver exceptional image quality in tough lighting scenarios

Available Mounts:



Roughneck Domes & Bullets



Key Specifications	
Resolutions:	2 MP, 5 MP
Lens Focal Length	3.1-10 mm (3.2x optical zoom)
Illumination	2 MP: 0.04 lux @f/1.4 (color) 5 MP: 0.02 lux @f/1.4 (color)
Field of View (H/V)	2 MP: 37° (tele) - 104° (wide)/ 24° (tele) - 54° (wide) 5 MP: 32° (tele) - 96° (wide)/ 24° (tele) - 69° (wide)
Compression	H.264, H.265, M-JPEG
WDR	120 dB
IR Distance	Smart IR. 98 ft (30 m); 16 IR LEDs
IP/IK Ratings	Dome: IP67; IK10 Bullet: IP67; IK08
Operating Conditions	-22° to 140° F (-30° to 60° C)

Roughneck Fixed Mini-Bullets



- Smaller, more discreet form factor
- Available in 2 MP or 5 MP
- Fixed 2.8 mm lens
- True WDR & Smart IR deliver exceptional image quality in tough lighting scenarios

Available Mounts:



Adapter
Plate



Backbox

Roughneck Fixed Mini-Bullets



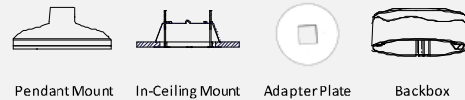
Key Specifications	
Resolutions:	2 MP, 5 MP
Lens Focal Length	2.8 mm
Illumination	2 MP: 0.07 lux @f/1.8 (color) 5 MP: 0.08 lux @f/1.6 (color)
Field of View (H/V)	2 MP: 110°/60° 5 MP: 92°/70°
Compression	H.264, H.265, M-JPEG
WDR	120 dB
IR Distance	Smart IR. 98 ft (30 m); 16 IR LEDs
IP/IK Ratings	IP67; IK08
Operating Conditions	-22° to 140° F (-30° to 60° C)

Roughneck Fisheye



- 12 MP resolution
- Panoramic fisheye lens eliminates blind spots
- Provides excellent detail for situational awareness
- Bi-directional audio communication and built-in microphone

Available Mounts:



Roughneck Fisheye



Key Specifications	
Resolutions:	12 MP
Lens Focal Length	1.2 mm
Illumination	0.11 lux @f2.2 (color)
Field of View	180° panoramic / 360° surround
Compression	H.264, H.265, M-JPEG
WDR	Digital
IR Distance	Smart IR. 49 ft (15 m); 1 IR LED
IP/IK Ratings	IP67; IK10
Operating Conditions	-40° to 122° F (-40° to 50° C)
Audio	1 audio input/1 audio output; G.711 (a-law, μ -law); built-in microphone
Alarm	1 alarm input/1 alarm output

500%
Digital Zoom



Roughneck 2MP



Roughneck 5MP



Roughneck Pro Series

Roughneck Pro Domes & Bullets



- Available in 2 MP, 5 MP & 8 MP (4K)
- Auto-focus motorized 3.2x zoom lens
- Suitable for indoor or outdoor applications
- Starlight illumination in 2 MP provides a clearer low-light picture in color
- Adaptive IR and true WDR ensures superior clarity in tough lighting conditions
- Advanced analytics for proactive surveillance

Available Mounts:



Roughneck Pro Domes & Bullets



Key Specifications	
Resolutions:	2 MP, 5 MP, 8 MP
Lens Focal Length	3.1-10 mm (3.2x optical zoom) 3.6-10 mm (2.8x optical zoom)
Illumination	2 MP: 0.002 lux @f/1.4 (color) 5 MP: 0.02 lux @f/1.4 (color) 8 MP: 0.09 lux @f/1.5 (color)
Field of View (H/V)	2 MP: 34° (tele) - 110° (wide)/ 20° (tele) - 58° (wide) 5 MP: 33° (tele) - 102° (wide)/ 20° (tele) - 72° (wide) 8 MP: 46° (tele) - 98° (wide)/ 26° (tele) - 54° (wide)
Compression	H.264, H.265, M-JPEG
WDR	120 dB
IR Distance	Adaptive IR, Smart IR, 131 ft (40 m)
IP/IK Ratings	IP67, IK10
Operating Conditions	-40° to 140° F (-40° to 60° C)
Alarms	1 alarm input/1 alarm output
Audio	1 audio input/1 audio output; G.711 (a-law, μ-law)

700%
Digital Zoom



Roughneck Pro 5MP



Roughneck Pro 8MP

Roughneck Pro Micro-Dome



- Smaller, discreet form factor
- Available in 2 MP or 5 MP
- Fixed 2.8 mm lens
- Suitable for indoor or outdoor applications
- Adaptive IR and true WDR ensures superior clarity in tough lighting conditions
- Advanced analytics for proactive surveillance

Available Mounts:



Adapter
Plate



Backbox



Pendant
Mount

Roughneck Pro Micro-Dome

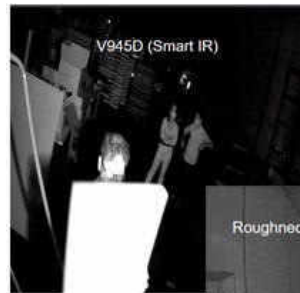


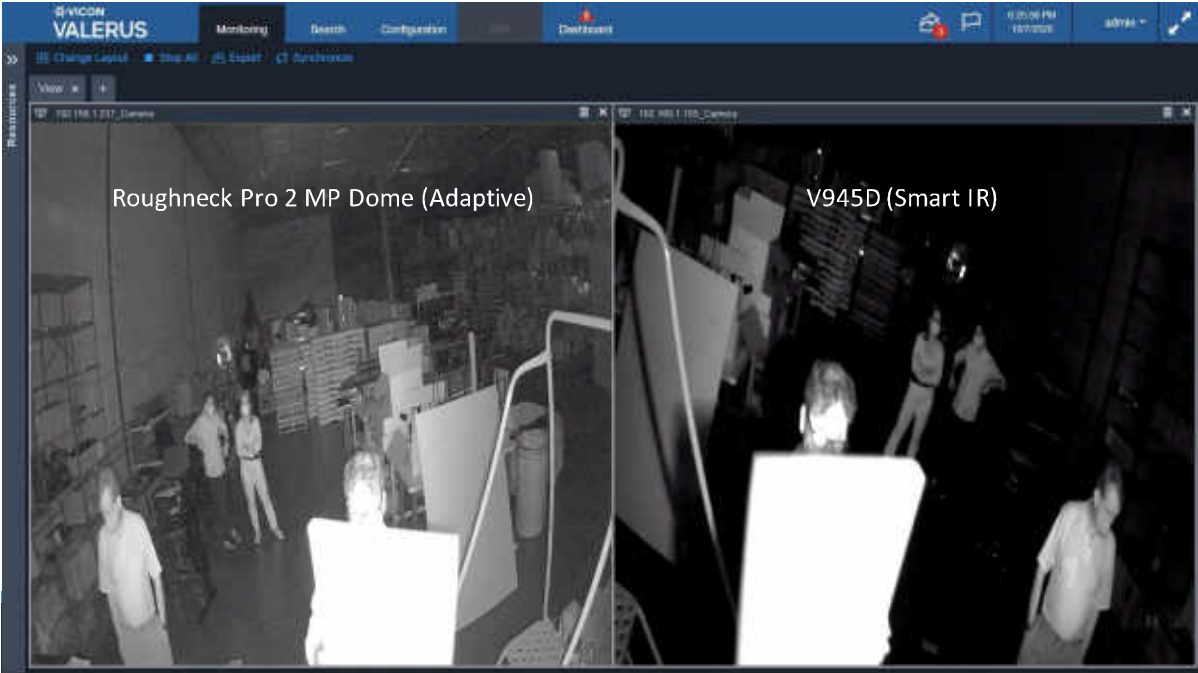
Key Specifications	
Resolutions:	2 MP, 5 MP
Lens Focal Length	2.8 mm fixed
Illumination	2 MP: 0.15 lux @f/2.0 (color) 5 MP: 0.3 lux @f/2.0 (color)
Field of View (H/V)	2 MP: 113°/61° 5 MP: 108°/84°
Compression	H.264, H.265, M-JPEG
WDR	120 dB
IR Distance	Adaptive IR, Smart IR, 49 ft (15 m); 8 IR LEDs
IP/IK Ratings	IP67; Bullet: IK10
Operating Conditions	-4° to 131° F (-20° to 55° C)
Audio	1 audio input/ 1 audio output; G.711 (a-law, μ-law)

Let's Take a Look at the Advanced Features

Smart IR vs Adaptive IR

- Smart IR intelligently alters IR intensity to prevent overexposure
- Adaptive IR adjusts IR LED groups and image exposure to provide clearer background details





What is Starlight?

- Intelligent noise suppression along with camera intelligence provide a clearer low-light picture
- Improves tracking and investigations by providing color details



V982D



Roughneck Pro 2 MP Dome



Analytics Overview

Standard analytics

- Standard analytics available in all cameras
- Triggers based on pixel changes within the frame or region of interest

Advanced analytics

- Available in the Roughneck Pro series
- Detect events intelligently with AI-driven analytics

Motion Detection	Standard
Tamper Detection	
Defocus Detection	
Line Cross/Counting	Advanced
Loitering	
Area Counting	
Intrusion	
Object Removed	
Object Left	
Wrong Direction	



Intrusion

VICON



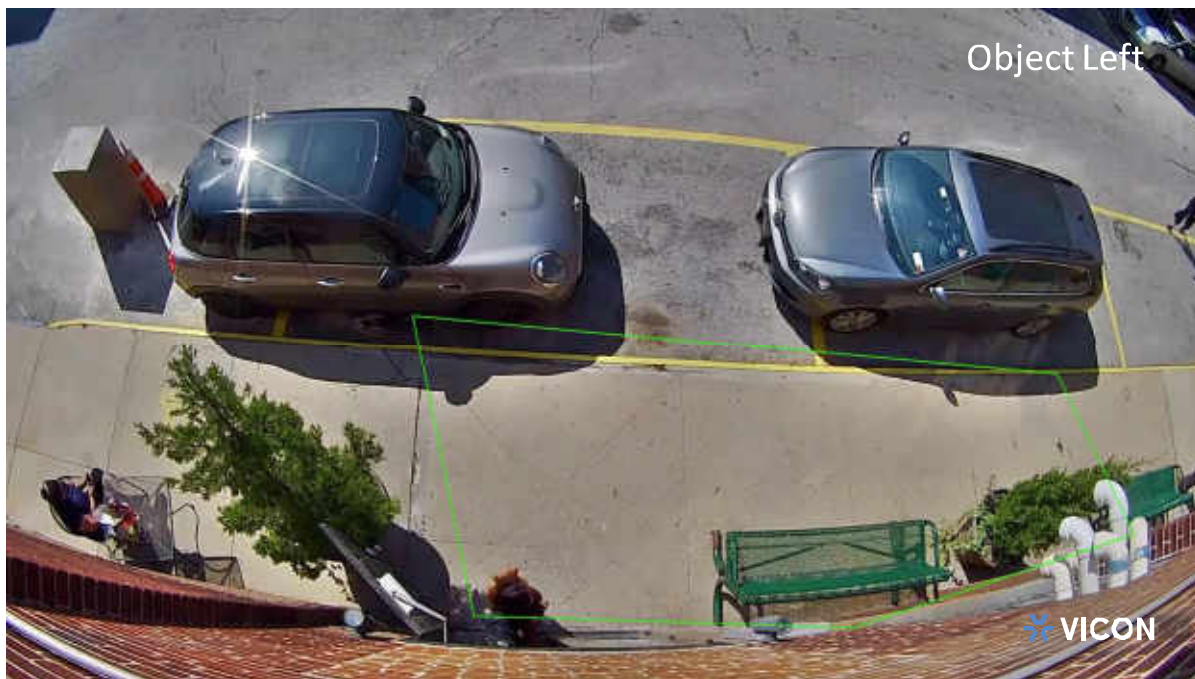
Line Cross

VICON



Loitering

VICON



Object Left

VICON



Object Removed

VICON

VICOM VALERUS

Monitoring Search Configuration VAA Dashboard

2:07:12 PM 12/12/2020 ADMIN

Change Layout Stop All Export Synchronize

Resources

Office (1)

Vehicle Entrance

Outside

East Hallway

Alarms & Alerts in Your VMS

The image displays the VICOM VALERUS VMS interface. At the top, there is a navigation bar with tabs for Monitoring, Search, Configuration, VAA, and Dashboard. The current time is 2:07:12 PM on 12/12/2020, and the user is logged in as ADMIN. Below the navigation bar, there are several action buttons: Change Layout, Stop All, Export, and Synchronize. The main area is divided into four camera feeds. The top-left feed, labeled 'Office (1)', shows an interior view of a modern office with a long red reception desk and a black car parked in front of it. The top-right feed, labeled 'Vehicle Entrance', shows an exterior view of a brick building with a white delivery truck parked in a lot. The bottom-left feed, labeled 'Outside', shows a street view with a silver minivan and a red car. The bottom-right feed, labeled 'East Hallway', shows an interior view of a hallway with two people walking. The text 'Alarms & Alerts in Your VMS' is overlaid on the bottom-left camera feed.

VICON VALERUS

Monitoring Search Configuration VMS Dashboard

Change Layout Stop All Export Synchronize

View +

152.166.1.245, Camera

Forensic Searches in Your VMS

2:02 PM

Premium Quality. Unparalleled Pricing.

- Aggressively priced to beat popular non-compliant (and compliant) cameras
- 24/7 world-renowned support
- We're ready to support you and your customers every step of the way





The Future of Surveillance:
**Introducing Vicon's
New Multi-Sensor
and Thermal Biometric Kiosk**

January 26th, 2021





V1000 Series Multi-Sensor Camera

A versatile 360° multi-sensor camera series offering wide-range coverage via four independently adjustable sensors.



At a Glance

8 MP | 20 MP | 32 MP

Models Available

Remote Configurations

For Easy Installation

Starlight Imaging

For Low-Light Color Images

Optical Zoom

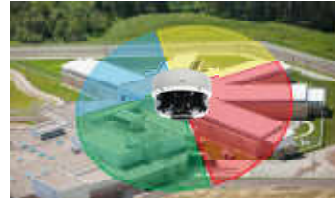
3.2x for 8 MP / 20 MP; 2.8 for 32 MP



270° View



360° View



Simple Installation and Remote Configuration

- Eliminate the need for manual adjustment
- Configure remotely from a PC
- Standard 360° or 270° presets and user-defined views
- Customize views with independent sensor PTZ controls



Live View

4/4 Streams

Image

Exposure

Basic Settings

PTZ

ROI

Privacy Zone

OSD

Network

System

Event



PTZ

View: View 1

-20	+10	+5	+1	◀	Full	▶	1	5	10	20
-20	+10	+5	+1	◀	Tilt	▶	1	5	10	20
-20	+10	+5	+1	◀	Focus	▶	1	5	10	20
-20	+10	+5	+1	◀	Zoom	▶	1	5	10	20

Full Range Auto Focus Short Range

Presets

Message: PTZ is 270 state

Home 268 278 Show Preset 1 Show Preset 2

User Specified Presets

Create Preset 1 Save Preset 1

Create Preset 2 Save Preset 2

Schedule Settings

24/7 Premium Performance

360° IR Illumination



Up to 131 feet coverage

Starlight Imaging

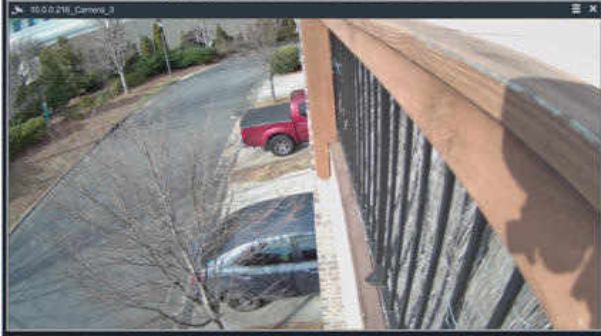


Sony Starlight Imagers

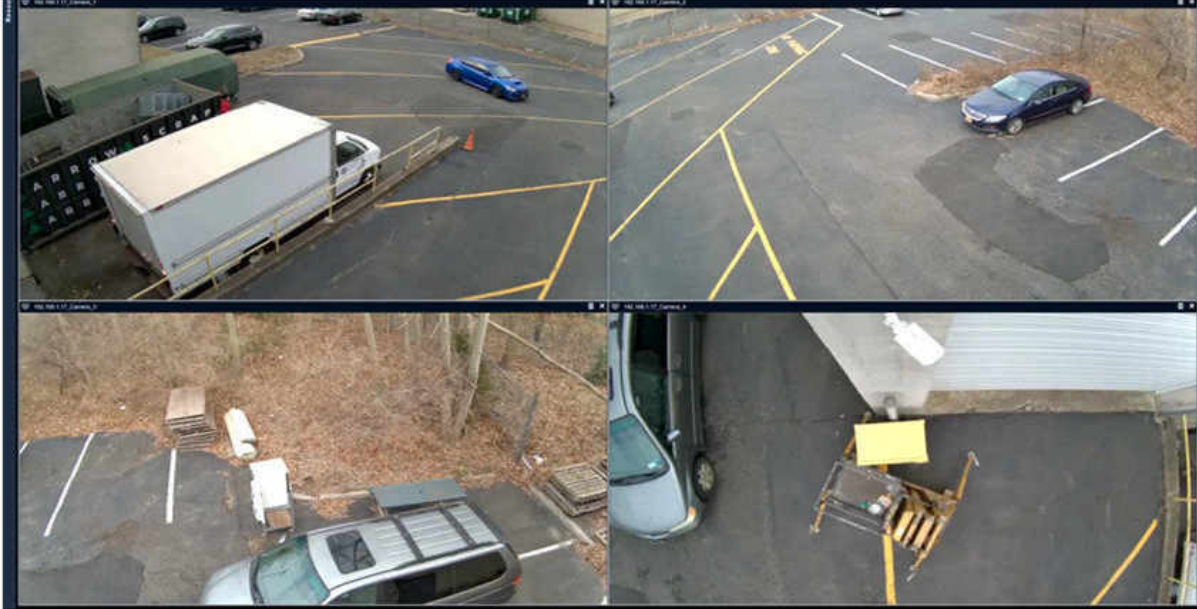
Proactive Analytics



Line Cross | Line Count | Intrusion | Motion
Area Count | Tampering



Analytics & Alarms





 VICON

Thermal Sensor

- ▶ Eliminate blind spots with a full 360° view of your environment
- ▶ Easily cover small or large-scale areas day or night with integrated IR illuminators.



Updated Features



- Improvements to image clarity
- New enhanced analytics including person and vehicle detection, fire detection and equipment temperature monitoring
- The Thermal Radar Integration Appliance (TRIA) is now built into the unit
- Improved exterior hardware design now reduces the amount of moving parts
- Expansion of product line provides a cost-effective series for customers who need it for smaller areas (less than 820')

Combined Thermal Imaging & High-Resolution PTZ



Combined Thermal Imager &
Vicon PTZ Dome

This solution combines a thermal imager with a high-resolution PTZ to cover up to 360-degree coverage for open spaces.

- Slew-to-cue integrated PTZ control
- Programmable areas-of-interest
- Passive thermal detection
- Reduces device count and install costs
- Simultaneous detection of multiple targets
- Geospatial tracking on localized maps
- Excellent performance regardless of lighting or weather conditions

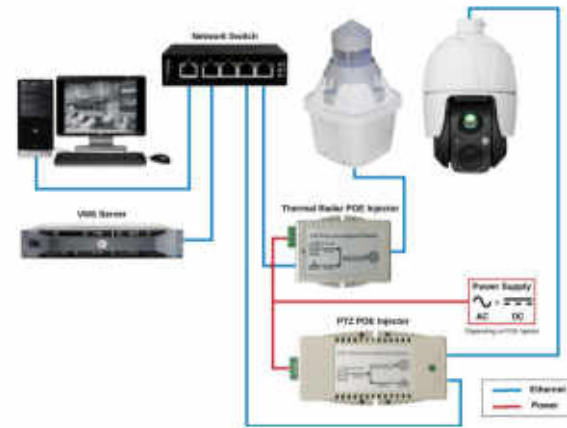


Streaming display from Thermal Image

How It Works:

- The thermal imager spins every 2 seconds, taking still images, searching for active targets with heat signatures
- Those images are streamed to the VMS, providing the views of each rotation station covering a full 360° range
- Once a target is detected, the PTZ is activated via true positioning to focus the high-resolution PTZ camera on the target
- The combination of these two technologies creates an unmatched solution for protecting large areas in both well and poorly lit scenarios

Thermal Detector continually spins to cover a full 360-degree area.



 VICON



**Thermal
Sensor Series**

Geospatial Alerts and Tracking

- The Thermal sensor scans a 360-degree area every two seconds. Alerts are sent for any change in pixels above 2 centigrade.
- The Thermal Sensor unit interfaces with Google Maps to provide an alert based on location and depth within the view of the user defined station.
- A single Thermal Sensor unit can span an area as much as 150 football fields in the right conditions



Traditional Approach



55 Fixed Thermal Cameras for intrusion detection.
\$275,000



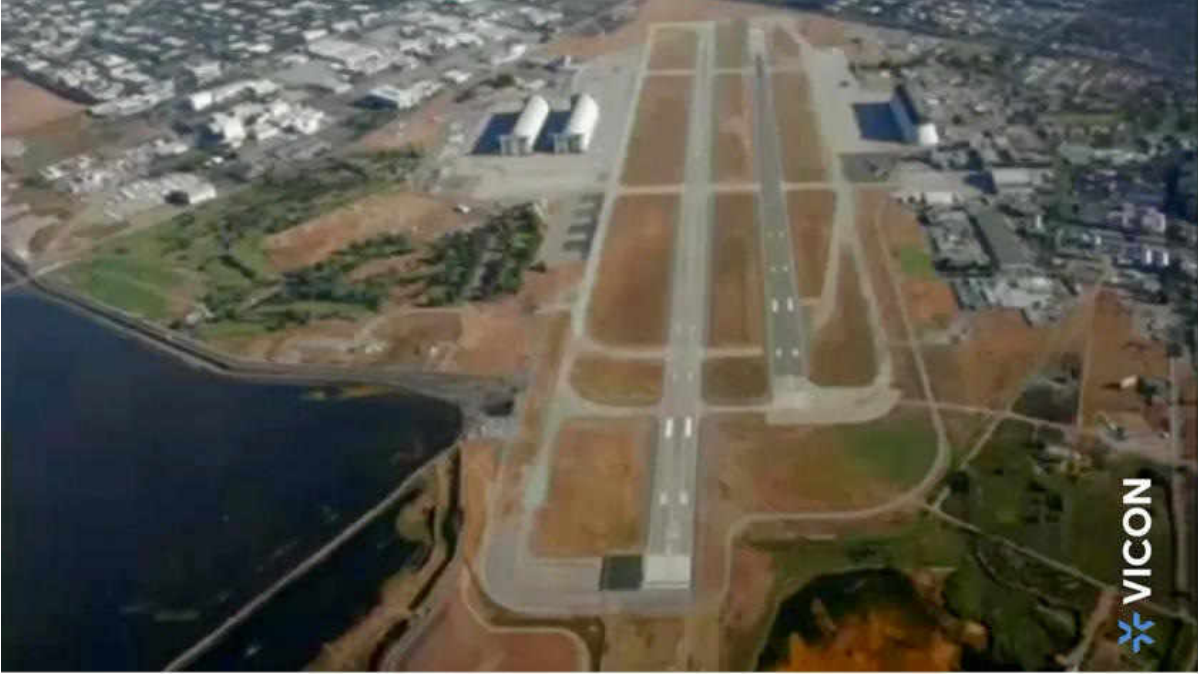
8 PTZ Visual/Optical Cameras for surveillance and forensics.
\$28,000



Infrastructure Improvements needed for the property.
\$450,000



ESTIMATED COST OF PROJECT
\$725,000



 VICON

Project Proposal



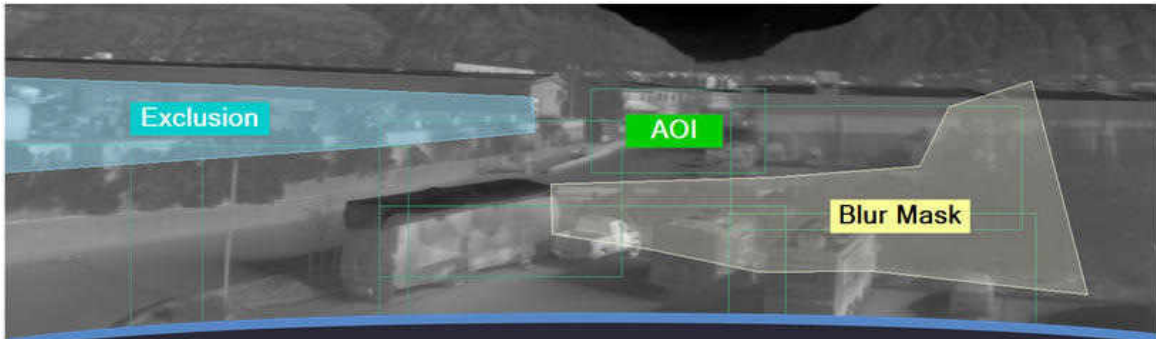
4 THERMAL RADAR HYDRA
25MM UNITS
\$112,000



INFRASTRUCTURE
IMPROVEMENTS
\$50,000



ESTIMATED COST
OF THE PROJECT
\$162,000



Focus on what's important...

- **Areas of Interest (AOI)** – Where Thermal Radar detects movement. Sensitivity & Confidence can be adjusted.
- **Blur Masks** – Blocks repetitive movement (e.g., plants in wind).
- **Exclusions** – Completely blocks all detection.

Thermal Sensor Series

SPECIFICATIONS	VTR3200 Boson 6.1mm	VTR3300 Boson 9.1mm	VTR6200 Boson 8.7mm	VTR6400 Boson 14mm	VTR6600 Boson 18mm
Thermal Sensor Resolution	320x240	320x240	640x480	640x480	640x480
Thermal Radar RPM	35	28	42	35	28
Thermal Radar Stations	11	15	8	11	15
Thermal Radar Refresh Rate	1.7s	2.1s	1.3s	1.7s	2.1s
Thermal Radar VFOV	27°	19°	40°	26°	20°
HUMAN DETECTION (Radius)					
High Confidence Detection	197 ft / 60 m	197 ft / 100 m	410 ft / 125 m	574 ft / 175 m	738 ft / 225 m
Typical Detection	328 ft / 100 m	574 ft / 175 m	738 ft / 225 m	902 ft / 275 m	1066 ft / 325 m
Long Range Detection	492 ft / 150 m	820 ft / 250 m	984 ft / 300 m	1312 ft / 400 m	1640 ft / 500 m
VEHICLE DETECTION (Radius)					
Thermal Identification	820 ft / 250 m	1148 ft / 350 m	1148 ft / 350 m	1640 ft / 500 m	2461 ft / 750 m
Thermal Recognition	1148 ft / 350 m	1640 ft / 500 m	1640 ft / 500 m	2625 ft / 800 m	3281 ft / 1000 m
Thermal Detection	1640 / 500 m	2625 ft / 800 m	2625 ft / 800 m	3937 ft / 1200 m	4921 ft / 1500 m



KG [2]1

Slide 89

KG [2]1 3 Series pixels are 25% the density of the 6 serie

Kurt Gerald, 25/06/2020

VTR-3000 Applications



Small/Medium Sized Parking Lots



VTR-6000 Applications



Refineries



Oil and Gas



Correctional Facilities



Border Security



Airports



Ports





VAX Access Control Overview

- ▶ New Technology
- ▶ Valerus Integration
- ▶ Future Roadmap



VAX – Vicon's Access Control System

Vicon's VAX access control technology is the cutting-edge physical security solution to secure, control and audit assets.



Valerus VMS and VAX Access Control Integration

Powerful, Integrated Performance at No Extra Cost



Slide 94

WB1 The text is repeated in the graphic and the slide
Wendy Brickman, 05/02/2018

Visitor Management Integration

EasyLobby®

Visitor management system designed for the needs of any size organization.



True Integration



3rd Party Integrations

SOFTWARE HOUSE



EasyLobby

- Link Valerus video with access control events to receive visual verification of critical events
- Free integration for users of Valerus and VAX

Monitoreo ACTIVO de la gestión de SEGURIDAD ELECTRÓNICA Y SANITARIA en todos los sectores en tiempo real, con alertas y seguimiento automático



FINANCIAMOS TU AHORRO

Toda la gestión y las herramientas usadas se entregan bajo la modalidad de Servicio y financiadas mediante un leasing operativo a 5 años, lo cual le permite al cliente no realizar inversiones y focalizarse solo en el logro de los resultados operativos buscados



