



VBTRONICS INC.

VMS Installation & Services

A clear guide to Video Management System solutions — how they work, what they do, and how VBTRONICS designs, installs, and supports them for businesses across Illinois.

24+

YEARS EXPERIENCE

5,000+

CAMERAS MANAGED

24/7

SUPPORT

ONVIF

COMPATIBLE

Remote

MONITORING

AI

POWERED ANALYTICS

What Is a Video Management System?

A Video Management System (VMS) is the software layer that ties every camera on your property into one intelligent, searchable platform. Instead of checking separate camera feeds one at a time, your team gets a single dashboard for live video, recorded footage, alerts, and AI-driven insight — from any site, on any device.

AI-Powered Video Intelligence



AI-Powered Video Intelligence

Your cameras don't just record — they understand what they're seeing, flagging what actually matters instead of hours of blank footage.



Human & Vehicle Detection

The system tells people and vehicles apart from wind, shadows, or animals — cutting down false alarms significantly.



Face Recognition

Identify known individuals or flag unrecognized faces at entry points for access review and investigations.



License Plate Recognition (LPR)

Automatically log and search vehicles by plate number — useful for parking lots, gates, and dealership lots.



People Counting

Track foot traffic and occupancy in real time for staffing, safety, and space-planning decisions.



Intrusion Detection

Get instant alerts the moment someone crosses a line or enters a restricted zone — day or night.



Object Detection

Spot left-behind bags, blocked exits, or missing equipment automatically, without watching every frame.



Heat Mapping

Visualize where people spend the most time — valuable for retail layout, safety audits, and traffic flow.

Supported VMS Platforms

VBTRONICS installs and supports every major enterprise VMS platform, plus any ONVIF-compatible system — so you're never locked into hardware that doesn't fit your business.

Milestone XProtect

Nx Witness

WiseNet WAVE

Digital Watchdog

Genetec

Avigilon

...and many more ONVIF-compatible VMS solutions.

VMS Key Features & Benefits



Live View & Playback

View live video and search recorded footage instantly from any camera, on any device.



AI Video Analytics

Detect people, vehicles, faces, plates, and unusual behavior automatically, in real time.



Alerts & Events

Get instant notifications for intrusions, loitering, line crossing, motion, and system events.



Smart Search

Find any event quickly using AI filters, object search, metadata, and a visual timeline.



Multi-Site Management

Manage every site, user, and device across your business from a single dashboard.



User Management

Role-based access control, granular permissions, and full activity logs for accountability.



Integration

Connect seamlessly with access control, alarms, POS, intercom, and third-party systems.



Mobile Access

Securely monitor your business anytime, anywhere — from a phone or tablet.

How VMS Works, in Plain Terms

You don't need to understand networking to know what's protecting your business. Here's the simple version of how the system fits together, and everything VBTRONICS handles for you.

System Flow

- 1 IP Cameras** capture video at every entrance, hallway, or lot you need covered.
- 2 Network Switch** carries that video securely to your server.
- 3 VMS Server** records, stores, and runs AI analytics on everything coming in.
- 4 Alerts & Remote Access** reach your phone, email, or on-site alarm the moment something needs attention.

VMS Services by VBTRONICS



VMS Design & Consultation

We design the right solution for your specific site and goals.



Installation & Configuration

Professional setup tuned for optimal performance from day one.



System Integration

Cameras, storage, access control, alarms, and more — unified.



Migration & Upgrades

Move from old systems to modern platforms with no data loss.



Maintenance & Support

24/7 support, proactive health checks, and system updates.



Training & Documentation

Your team learns the system, with full documentation to keep.

Why This Matters for Your Business

Most security failures aren't caused by a missing camera — they're caused by footage nobody could find in time, storage that ran out during the exact week it mattered, or a system nobody maintained after installation day. VBTRONICS designs every VMS deployment around that reality: reliable storage, searchable footage, and a support relationship that continues long after go-live.

WHERE IT'S USED

VMS Use Cases Across Industries

The same platform flexes to fit very different environments. Here's how VBTRONICS tailors VMS deployments by industry.

Retail Stores

Loss prevention, customer safety, POS integration.

Warehouses

Inventory protection, activity monitoring.

Education

Campus security, access control integration.

Corporate Offices

Employee safety, visitor management.

Parking & Transport

LPR, vehicle tracking, traffic monitoring.

Government & Public

Surveillance, city monitoring, public safety.

The Technical Side, Simplified

Typical Server Requirements

CPU: Intel® Xeon® / Core i7 or higher

RAM: 16GB – 64GB or more

OS: Windows Server / Linux

Network: 1GbE / 10GbE

RAID: RAID 5/6/10 for redundancy

Best Practices for Storage

- ✓ Use enterprise-grade HDD/SSD
- ✓ Configure RAID for data redundancy
- ✓ Separate OS and video storage
- ✓ Monitor HDD health and SMART status

**Retention depends on recording mode, bitrate, motion, and storage capacity. VBTRONICS sizes every system to your specific site during the design phase.*

Not Sure What Your Site Needs?

Camera count, coverage, storage, and server sizing all depend on your specific facility — there's no one-size-fits-all VMS package. VBTRONICS starts every project with a site assessment, so the system you get is sized for the space you actually have, not a generic estimate.

READY WHEN YOU ARE

Secure Your Entire Enterprise With Unified VMS

From single-site operations to multi-location campuses, VBTRONICS delivers intelligent Video Management Solutions tailored to your security infrastructure.

[Schedule a VMS Consultation →](#)



1855 Rohlwing Road, Suite D, Rolling Meadows, IL
60008



+1-224-223-7381



info@vbtronics.com



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