

# Loronix Video Manager

## Optimizing Video Security Management, Increasing Enterprise Value

Today's enterprise requires robust video solutions for securing locations that span cities, countries, and even continents — *powerful* solutions that enhance security and performance, yet reduce the complexities of video management.

**Loronix Video Manager™** is a highly scalable, enterprise-class software solution designed to dramatically improve how organizations manage their video surveillance operations. Loronix Video Manager helps organizations improve response time, increase productivity, and more effectively allocate personnel and resources.

### A Powerful Management Suite for Enhancing Security Performance

Loronix Video Manager streamlines management of critical processes, from equipment access and configuration to system health monitoring, video storage, and alarm administration.

With Loronix Video Manager, users can view live and recorded video and manage their entire video network from a single LAN- or WAN-enabled workstation. And they can use **WebReview™** for secure Web-based access to all cameras and surveillance sites, anytime and from anywhere.

### Actionable Intelligence for Faster, More Effective Decisions

Loronix Video Manager helps pinpoint the most pertinent video images and delivers them in real time for rapid and effective action.

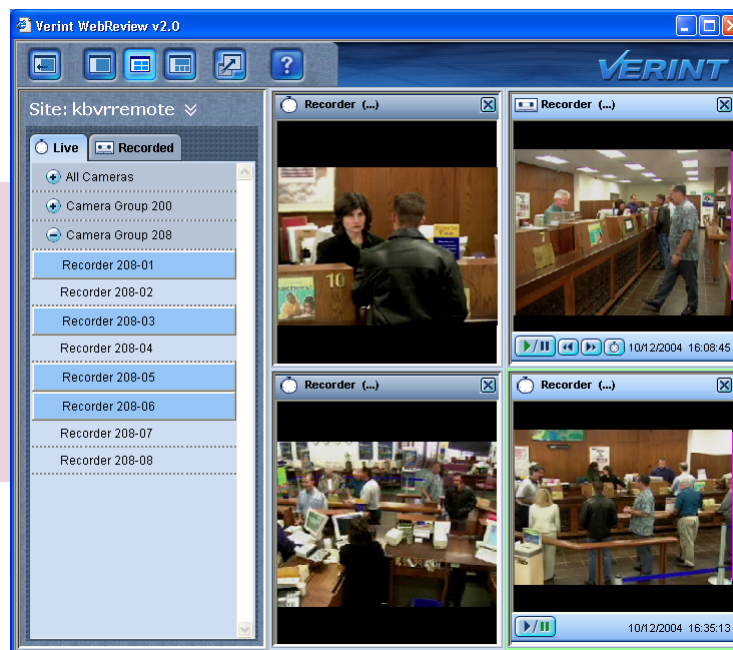
advanced content analytics automatically identify significant movements and unusual behaviors that might otherwise take hours or days to detect.

Loronix Video Manager interfaces with security, alarm, business, and transaction systems, enriching video images with related data to create a complete picture of events as they unfold.



Loronix Video Manager helps transform video images into enterprise assets.

- Enterprise-class management of video, sites, and equipment
- Uses industry-standard server and storage technologies and existing IT infrastructure
- Manages storage of vast distributed video systems
- Enables ready access to local and remote sites, live and recorded video
- Interfaces with access control, RFID, POS, inventory, and other systems



*Using Loronix Video Manager with WebReview, users can view video from any location in their surveillance network from an Internet-enabled PC — anytime and anywhere.*

Then, Loronix Video Manager delivers this actionable intelligence to the right people in real time, pushing critical images and data directly to the people who need to see them — even to the wireless devices of staff on the move.

### Comprehensive Alarm Management for a Proactive Approach to Security

Loronix Video Manager helps organizations focus on the most *significant* events and equips them to address these events more effectively and with fewer staffing requirements.

From Loronix Video Manager, users can simultaneously review live and recorded events from multiple alarms, sites, and groups of cameras. They can prioritize alarms by event type to help ensure that the most significant situations are addressed promptly. They can move cameras to pan, tilt, or zoom in order to track events in progress. And they can view video images captured just before and after an alarm is issued to better understand the context in which security breaches and other significant events occur.

This actionable intelligence can help users zero in on potentially dangerous situations and make optimum use of organizational resources. Loronix Video Manager helps the enterprise manage security events proactively, efficiently, and successfully.

### Managing Video Like Any Other Enterprise Data

Organizations face an abundance of security and business challenges, and the ability to manage growing volumes of video is critical to successfully addressing them. Loronix Video Manager helps security personnel and IT departments work effectively together to leverage video's actionable intelligence as easily, reliably, and cost effectively as any other enterprise data.

### Cost-Effective, High Performance

With Loronix Video Manager, organizations can realize the cost and performance benefits of industry-standard server, network, and storage technologies. They can select the technologies that best meet their needs from vendors who offer them the most value.

Loronix Video Manager resides on Commercial-Off-The-Shelf (COTS) servers, eliminating the need for proprietary "white box" PCs and the integration and maintenance problems associated with them.

Organizations can store video using industry-standard storage technologies and established storage infrastructures. And they can retain video according to *enterprise* needs, without the limitations of proprietary storage devices.



*From Loronix Video Manager, users can view live and recorded events captured by MotionTrack™, BehaviorTrack™, and third-party security systems.*

*MotionTrack detects activity of interest in indoor and outdoor environments, filtering out conditions that trigger nuisance alarms.*

*BehaviorTrack identifies movement that may be indicative of a security breach, such as a person moving in a specific direction or stopping for an extended period of time.*

Additionally, the **Enterprise Storage Manager**, an optional component of Loronix Video Manager, enables both local and centralized video storage with transparent video access. This high-performance software application increases image availability in the event of equipment failure and enables authorized users to request video images without knowing or specifying where video is stored.

### Long-Term Investment Protection

Designed to operate seamlessly with analog and IP cameras, existing IT infrastructures, and legacy CCTV systems, Loronix Video Manager preserves the organization's existing investment in equipment and expertise.

Built on an open, standards-based architecture, Loronix Video Manager provides a path for the future, positioning the enterprise to exploit new technologies as they emerge.

### Certified Interoperability for Faster Deployment and Seamless Operation

The **Total Access Partner Program™** (TAPP) facilitates integration of Loronix Video Manager with complementary security and business solutions: IP cameras, video analytics, access control, alarm, and transaction systems. Interoperability testing and certification enable faster deployment and more seamless operation within your environment.

View live and recorded video anytime and anywhere	Manage security events more effectively	Optimize the performance of your entire video surveillance network
<ul style="list-style-type: none"> <li>• Web-based access to video and PTZ functionality for any camera on the network</li> <li>• Supports a virtually unlimited number of cameras</li> <li>• Simultaneous viewing of up to:               <ul style="list-style-type: none"> <li>◦ 16 camera views across various locations</li> <li>◦ 16 cameras synchronized by time</li> </ul> </li> <li>• Video query by any combination of camera, date, time, or site</li> <li>• Authentication of original video</li> <li>• Push-button video export to CD</li> <li>• Extensive reporting capabilities with ability to attach video to reports</li> </ul>	<ul style="list-style-type: none"> <li>• Instantly view live alarm events, retrieve stored alarm video, and create customized reports — all from a single application.</li> <li>• View live and recorded video from multiple alarms or sites simultaneously</li> <li>• Automatic video call up on alarm, including pre- and post-video</li> <li>• Move PTZ cameras to preset locations on alarm</li> <li>• Alarm history available for review</li> <li>• Voice and visual alerts upon alarm</li> </ul>	<ul style="list-style-type: none"> <li>• Operational in just minutes using the Installation Wizard</li> <li>• Network bandwidth throttling</li> <li>• Customizable LDAP integration and automatic email notification of network events</li> <li>• SNMP traps for integration with systems management solutions</li> <li>• Display of past alerts, and all active alerts, errors, and status messages</li> <li>• User-defined automatic escalation levels and procedures</li> <li>• Audit trail reports by user, time, and application</li> <li>• Video archive using standard storage technologies and existing IT infrastructure</li> <li>• Setup and configuration of all sites, equipment, user permissions, storage options, detection areas, and alarm responses from a single workstation</li> </ul>



## System Specifications

### Components

Loronix Video Manager base software license (including eight input licenses) up to:

- 7.5 FPS NTSC / 6 FPS PAL
- 30 FPS NTSC / 25 FPS PAL

Four additional input licenses for frame rates up to:

- 7.5 FPS NTSC / 6 FPS PAL
- 30 FPS NTSC / 25 FPS PAL

WebReview:

- One concurrent user
- Site license

Server software:

- Enterprise Storage Manager server:
  - 100 GB to 5 TB capacity
  - 5 TB to 10 TB capacity
  - 10 TB to 20 TB capacity
  - 20 TB to 50 TB capacity
  - Master server

### Maximum Number of Inputs

- IBM x306: 32 (4CIF/30 FPS)
- IBM x206: 24 (4CIF/30 FPS)

### Recommended Server Specifications

- Intel Pentium 4 or Xeon processor
- 1 GB RAM
- 18 GB or larger boot drive
- One 10/100/1000 Ethernet NIC or one 10/100 and one 10/100/1000 Ethernet NIC
- Dial-up modem or server management adapter
- Rack-mountable chassis
- CD-ROM drive

### Operating System Support

Workstation:

- Windows 2000 Professional
- Windows XP Professional

Master server:

- Windows 2003 Server

Recorder, storage, and playback servers:

- Windows 2000 Professional
- Windows 2000 Server
- Windows XP Professional
- Windows 2003 Server

### Storage Device Support

Loronix Video Manager supports virtually any central disk storage device, including disk arrays with fibre channel or SCSI connectivity and Storage Area Networks (SAN).

42-bay disk arrays (RAID-5) with 14, 28, and 42 drives are available directly.

Enterprise Storage Manager provides throughput to the storage device at up to 25 MB per second.

### Matrix Device Support

Loronix Video Manager supports matrix devices from vendors that include American Dynamics, Checkpoint, Javelin, MaxPro, Panasonic, Pelco, Philips, Ultrak, VCL, Vicon, and others.

### Access Control Product Integration

Loronix Video Manager is certified for interoperability with access control solutions from AMAG, Lenel, Software House, GE, Galaxy, and others.

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