

# VideoSphere Visual Intelligence Software

**VideoSphere™ Visual Intelligence** is a scalable video surveillance software suite that delivers advanced management, investigation and reporting tools across all-IP and analog environments. The suite enables organizations to improve loss prevention, liability management, asset protection, and customer and employee safety. It is also compatible with all March Networks™ R5 video solutions.

## Intuitive User Control

VideoSphere Visual Intelligence software represents a dramatic step forward in task-specific functionality and graphical interface design. It allows authorized system administrators, security and loss prevention investigators, management and other users anywhere on the network to work more efficiently and effectively.

The VideoSphere Video Management System (VMS) runs on industry-standard host and storage servers to support all media recording, storage and retrieval functions. It enables an all-IP networked video environment that is open, distributed and fully scalable.

The enterprise-class **Live Monitoring Console** permits real-time monitoring of video and associated audio with on-screen PTZ camera control and two-way intercom communication. Floating grids display up to 36 views per monitor from any number of sites, with activity spotlight, timeline control and bandwidth management for each view.

The **Investigator** allows users to zero in quickly on recorded video evidence. Graphical time/date search functions include a refinement feature that speeds access to specific evidence. The Investigator Professional version adds the ability to search on user-defined automated teller machine (ATM), teller or point-of-sale (POS) transaction data.

In financial and retail environments, **Financial Transaction Investigation and Retail Transaction Investigation** options provide visual records of every ATM, teller or POS transaction, dramatically improving the investigation and resolution of financial fraud and retail shrinkage. Integration with branches, stores, or headquarters increases data security, permits application-specific customization, and enables cost-effective expansion.

The **Evidence Manager** provides sophisticated video search tools, interactive case notes and more to build, manage and resolve cases efficiently. The Evidence Manager Professional version adds transaction data and other advanced case management capabilities.

To enable law enforcement officials to leverage evidence effectively, an auto-run copy of the **Evidence Reviewer** is included automatically as evidence is exported.

The **Administrator Console** allows easy customization and maintenance of any number of systems, including software programming, revision control, health monitoring, user profile management and more. This and all VideoSphere Visual Intelligence software includes context-sensitive Help for rapid user control with minimal training.

To oversee larger-scale video networks, the powerful **Enterprise Service Manager** offers these comprehensive tools in a centralized manner, for extensive remote management and resource optimization.



## Key Features

The VideoSphere Visual Intelligence suite provides:

- Video Management System (VMS) software for installation on industry-standard IT servers in an open, distributed and fully scalable deployment
- Live Monitoring Console software displaying up to 36 live video and audio feeds per grid with PTZ camera control
- Targeted Investigator tools, including multiple case management and evidence processing capabilities
- Case management tools integrated with graphical features for finding, refining and packaging video evidence rapidly
- Integrated Financial or Retail Transaction Investigation options, which synchronize video and transaction data
- Optional business analytics software for video-enabled POS monitoring and exception reporting
- Easy export of evidence to CD or flash media, including security seal<sup>1</sup> and automatic reviewing utility
- Advanced video analytics and reporting applications, including: people and object tracking; loitering, obstruction and face detection; queue length monitoring; scene verification; and others
- Context-sensitive Help throughout to promote user proficiency with minimal training
- Networked local and remote system control, scalable across thousands of locations and cameras
- Centralized management of system software levels, user profiles and more
- Advanced health monitoring, reporting and maintenance tools covering systems, storage, cameras and video network

# VideoSphere Visual Intelligence Software Suite

## Technical Specifications

Client Software Module	Live Monitoring Console	Investigator		Evidence Manager		Evidence Reviewer	Administrator Console	Enterprise Service Manager
		Std	Pro <sup>2</sup>	Std	Pro <sup>2</sup>			
Primary application	Live video & audio monitoring	Rapid video search and packaging	Enhanced video retrieval	Multiple case construction and management	Enhanced case management capabilities	Evidence review by 3rd parties	System programming and maintenance	Extended programming and maintenance
Real-time viewing	•	•	•				•	
Two-way audio communication and synchronized video	•							
Monitor video on alarms	•							
Video search with refinements		•	•					
Video search with thumbnail			•					
Search using alarms or motion detection		•	•					
Search on text data		•	•					
ATM/Teller/POS data integration			•					•
Synchronized video playback	• <sup>2</sup>			•	•	•		
Multi-window viewing	•			•	•			
Video authentication <sup>1</sup>				•	•	•		
Copy, save or print video evidence	• <sup>2</sup>	•	•	•	•	•		
Evidence notation	• <sup>2</sup>	•	•	•	•			
Advanced case management					•			
System programming and maintenance							•	•
Multi-site mgmt. of system software, health and users							Programming & health only	Extensive control of all

## Additional Feature Highlights

**Adaptive Compression<sup>3</sup>:** Filtering for analog camera noise, low-light conditions, low activity levels, video quality; complement to MPEG-4; average 30% storage improvement

**Intelligent Video Retention:** Critical record buffer, long-term retention, extended retention, predictive retention and alerts

**Video Search and Export:** To removable media (USB-connected CD or memory stick), including auto-run Evidence Reviewer; export controlled remotely or automatically in response to events; export JPEG or BMP images and authenticated<sup>1</sup> .AVI clips, with time/date stamp, with/without transaction data

**Recording Modes:** Continuous, scheduled or driven by event – alarm, motion detection (with masking and sensitivity), ATM, teller or POS transaction

NOTES:

<sup>1</sup> SHA (Secure Hash Algorithm) of Digital Signature Standard [U.S. FIPS PUB 180-1, 1995]

<sup>2</sup> 'Professional', a chargeable upgrade with value-added feature content.

<sup>3</sup> Patent Pending

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