

# VideoSphere Video Management System

The VideoSphere™ Video Management System (VMS) is a powerful software application that runs on industry-standard servers and supports the recording, storage, retrieval and management of all video and audio evidence. It enables organizations to deploy an all-IP or hybrid analog/IP video network environment that is open, distributed and fully scalable, and to benefit from significant infrastructure and administrative cost-savings.

## Cost Efficiencies

A cornerstone of the VideoSphere Intelligent Video Management solution, the VMS allows organizations to stream video and associated data directly on to an IP network and archive that information on IT storage servers of their choice. The architecture can be customized to any level of capacity or resiliency to support a single location or thousands of sites and an unlimited number of cameras. The VMS eliminates the need for organizations to operate separate video networks and reduces total cost of ownership (TCO) by converging infrastructure and administrative resources.

## Advanced Capabilities

The VMS also enables organizations to deploy and manage IP cameras and advanced analytic applications that deliver new capabilities and valuable business intelligence. The VMS easily manages high resolution video from award-winning VideoSphere standard resolution and megapixel cameras, as well as cameras from other leading manufacturers<sup>1</sup>. A portfolio of VideoSphere analytics, which range from loitering and face detection to queue length monitoring and object tracking, can be embedded directly into the analytic-ready VideoSphere IP cameras.

Organizations with traditional analog cameras and coaxial cabling can integrate these into a VMS environment as well. A family of VideoSphere encoders stream analog camera feeds into an IP network and also support embedded analytics. Complete with common management software that unifies the IP and analog deployments, this VideoSphere solution allows organizations to maximize investments in existing video infrastructure and transition to next-generation technology cost-effectively.



## Intuitive Client Software

To provide efficient monitoring of live video, and advanced search and retrieval of archived video and data, the VMS is fully compatible with VideoSphere Visual Intelligence software applications. This suite of client tools delivers comprehensive management, investigation and reporting capabilities across all-IP or hybrid video networks and enables users to effectively package evidence for the rapid resolution of incidents.

The VideoSphere VMS offers organizations with new facilities the opportunity to deploy the most advanced IP video technologies and applications today to protect profits and enhance customer service, marketing, operations and security efforts. It is also ideal for organizations with large facilities and existing video surveillance infrastructure, such as large retailers, corporate and public campuses, hotels, and gaming establishments. Working in concert with other VideoSphere components, the VMS enables these organizations to deploy and manage any number of cameras and advanced analytic applications in hybrid IP and analog environments as part of an intelligent video management solution.

*The VMS easily manages high resolution video from award-winning VideoSphere standard resolution and megapixel cameras.*

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## Technical Characteristics

### Video Capture

- IP video streams captured directly from the network
- Resolutions of up to 8 megapixels
- Analog video streams incorporated via VideoSphere encoders
- Up to 30 fps per camera
- MPEG-4 and JPEG compression technology

### Network Transmission

- Video and audio transported over wired and wireless IP networks
- Ability to set restrictions on bandwidth usage
- User authentication and video encryption for maximum network security
- Remote access via broadband networks

### Video Storage

- Distributed architecture supports multiple servers and is fully scalable
- Archiving performed using industry-standard servers
- Recording options include scheduled time/date, on event and on motion
- Video tagged as stored to optimize search efficiency based on date/time, event, motion or analytic data

### Live Monitoring Client

- Up to 36 simultaneous camera views per monitor from any number of sites
- Unlimited number of cameras displayed on video wall
- Simultaneous display of cameras from any site
- Instant replay capability on any camera
- Megapixel digital zoom
- Intelligent search capabilities based on date/time, event, motion or analytic data

### Video Retrieval Client

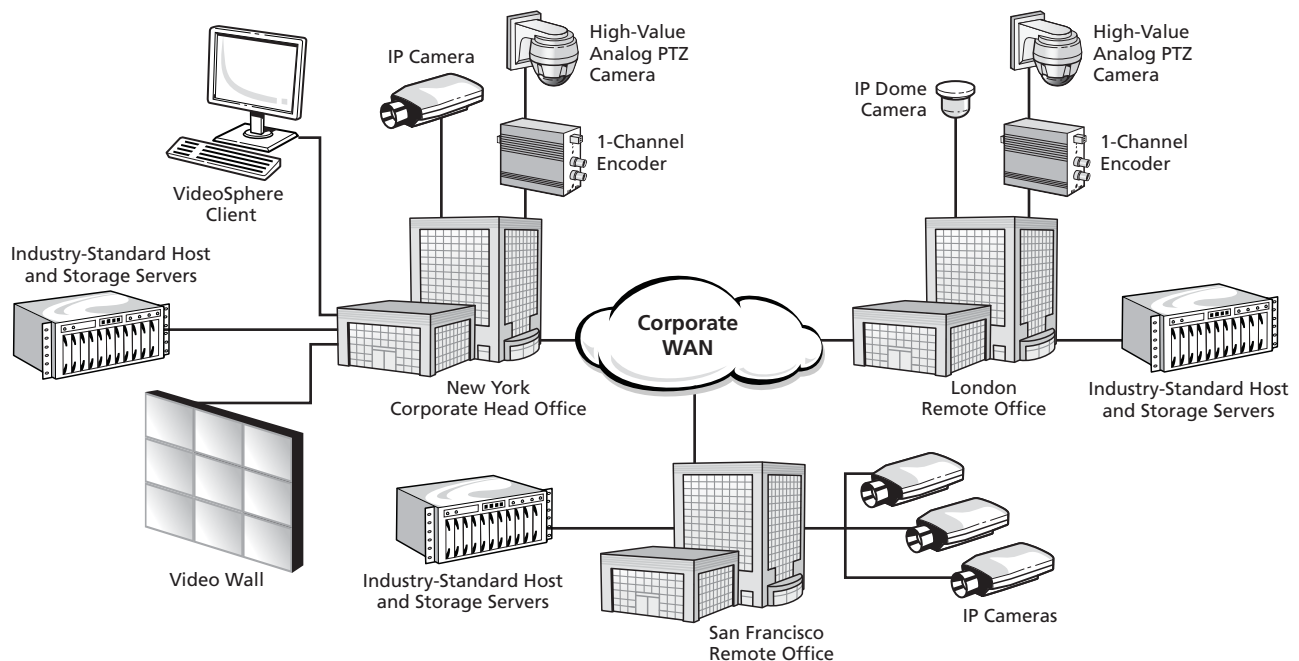
- Real-time viewing
- Search refinement
- Thumbnails, motion histograms
- Audio and alarms
- Megapixel digital zoom
- Integrated case management

### Third-Party System Integration

- Full range of PTZ camera control protocols
- Major alarm monitoring systems
- Leading point-of-sale (POS) systems
- Automated teller machine (ATM) and teller transaction data
- Software Development Kit (SDK) available to integrate video management with third-party applications

### Host Server(s)

- Industry-standard servers, using 32-bit Intel® processors (or 100% compatible)
- Windows® 2003 Server OS
- Network storage protocols, as supported by the operating system
- Up to 80 IP and analog (via VideoSphere encoders) cameras supported per server



NOTE:  
<sup>1</sup> Please contact March Networks for a complete list of supported third-party cameras.

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