Video**Sphere**

Intelligent Video Management

VideoSphere™ **Mobile Software** from March Networks® brings enterprise-class video surveillance to bus, light-rail and other transportation environments, enabling fleet operators to increase passenger and employee safety, mitigate risk and reduce liability, all while improving operational efficiency.

Mobile Software operates with the March Networks 5000 Series of highly ruggedized Mobile Digital Video Recorders (MDVRs). It also integrates with our series of fixed video systems in platforms, stations, wayside depots and other facilities for enterprise-wide monitoring and surveillance.

LOCATION-AWARE MONITORING

Integration of GPS and vehicle sensor data (e.g., brakes, lights, doors and other situational data) adds accurate location, direction, speed and other onboard activity parameters to real-time video and audio monitoring. In emergency situations, mobile pursuit capability allows responders to access critical, live in-vehicle video and audio using wireless handheld or laptop computers. All data can be retained as part of the archived video record for post-incident investigation and evidence preparation.

IN-VEHICLE ADVERTISING

The Mobile Software's in-vehicle advertising application is hosted on the mobile DVR and enables bus fleet operators to generate recurring revenues through the sale of dynamic advertisements displayed via onboard digital signage. Operators can manage and upload content automatically over a wireless network and can intersperse the ads with scheduling or other information to strengthen customer service. The ads can be alternated with selected in-vehicle camera views, drawing passengers' attention to the surveillance system and deterring crime more effectively.

EFFICIENT RESOURCE MANAGEMENT

With concurrent, dual-mode wireless networking, security personnel can view live or recorded event video from any vehicle on demand. With several options for automated video extraction, VideoSphere Mobile Software addresses the staffing, safety and responsiveness concerns inherent in monitoring and retrieving video from traditional mobile video recorders. As vehicles enter maintenance yards, fueling depots or other Wi-Fi wireless zones, high-speed video extraction and automated maintenance functions such as MDVR health management or software updates, can be performed without operator intervention.

ENTERPRISE-WIDE SCALABILITY

Mobile Software allows transit operators to extend effective video surveillance to their entire transit operations. The software is compatible with the entire family of March Networks NVRs, allowing operators to efficiently monitor vehicles, platforms, stations, maintenance yards and headquarters buildings using the same centralized personnel and easy-to-use application software. The result is seamless integration of all video surveillance operations, with more flexible deployments, reduced personnel cost and training, and improved overall return on investment.

FEATURES

- Real-time, remote video and audio monitoring, compatible with WiMAX (802.16), Metro Wi-Fi (802.11 broadband mesh) or digital cellular (CDMA/EVDO/GPRS) networks

- Video integration with GPS location and other vehicle data (per SAE J1708/1939) for synchronized, location-aware event recording

- Practical and efficient automated video extraction over high-speed WLAN (802.x) networks

- Advanced system health monitoring and video analytics-based diagnostics, including scheduled verification of camera operation for obstructions or faults

- Large-scale networking for enterprise-class management of thousands of mobile and fixed DVRs

GPS-based mapping displays vehicle location and speed together with synchronized video

MARCH networks

VideoSphere Mobile Software

Technical Specifications

Video playback controls for direction, speed and zoom

Vehicle and camera data integrated with each video window

Up to twelve synchronized camera views

Integrated map controls using Microsoft MapPoint

Display of vehicle location, direction and speed

VideoSphere Mobile Sofware enables effective fleet video surveillance, offering unmatched video monitoring and enterprise management capabilities.

Media Monitoring

- Video playback controls, eg. direction, speed, zoom, image enhancement
- View live video, audio and vehicle data
- View multiple video windows simultaneously
- Monitor live alarms
- Search by date, time, camera, or alarm
- Filter alarm events
- Save media clips
- Save/copy/print still images
- Synchronize camera playback
- Establish two-way audio communication
- View GPS data (latitude, longitude, speed)
- Search archived GPS data

Wireless Access

- View live media from central location or mobile pursuit
- Enable automatic connection optimization (Wi-Fi/cellular)
- Configure data extraction settings
- Enable immediate data extraction
- Set extraction schedules
- Perform camera checks
- View incident details
- Copy data to CD

Enterprise Management

- Program, administer and maintain all mobile and fixed wayside DVRs centrally
- Manage user accounts and security levels
- Configure GPS and wireless devices
- Review system summaries
- Schedule automated software updates
- Manage connections, services and e-mail alerts

DVR Health Monitoring

- Configure automatic DVR health status verification
- Configure automatic verification of camera obstruction view and focus, and microphone audio quality
- Check connection status and network settings
- Review problem reports
- Set up e-mail notifications

In-Vehicle Advertising

- Utilize MDVR system for surveillance and advertising
- Display up to 12 advertisements on each vehicle
- Upload and manage advertisements via wireless link
- Generate revenues and improve onboard security

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