

No intelligent video solution fares better

As more and more commuters leave the highways and make use of rapid transit systems, security professionals face new challenges and heightened demands for rider safety and infrastructure protection. Transit officials must now manage a complex environment that includes passenger flow, incident detection, environmental monitoring, emergency call management, public address, advertising, and traveler information systems.

GE's VisioWave Intelligent Video Platform (IVP) integrates smart software, built-in video content analytics and precision-engineered hardware to create a comprehensive surveillance system designed to help protect people, property and critical infrastructure.

The right fit for your mass transit application

Every day, a major European metro trusts GE's VisioWave IVP to manage more than 10,000 cameras and monitor the activities of thousands of commuters daily.

With VisioWave IVP, they have the power at their fingertips to acquire information in video, audio and/or data format; administer and analyze the information; take appropriate, timely action- all automatically, in one complete system.

VisioWave IVP features

- Continuous high quality video streaming
- Designed for optimal networking performance
- Proven scalable to more than 10,000 cameras
- Cost-effective system maintenance
- Future proof: video codec upgradeable
- System health and performance monitoring
- Ability to leverage existing infrastructure
- Inherent Video Content Analysis (VCA), plus ability to run third party analytics
- Integration with other sub-systems through open architecture and APIs
- Standard or customizable user interfaces

Mass Transit Systems

The large scale digital video solution to protect trains, subways and rail systems



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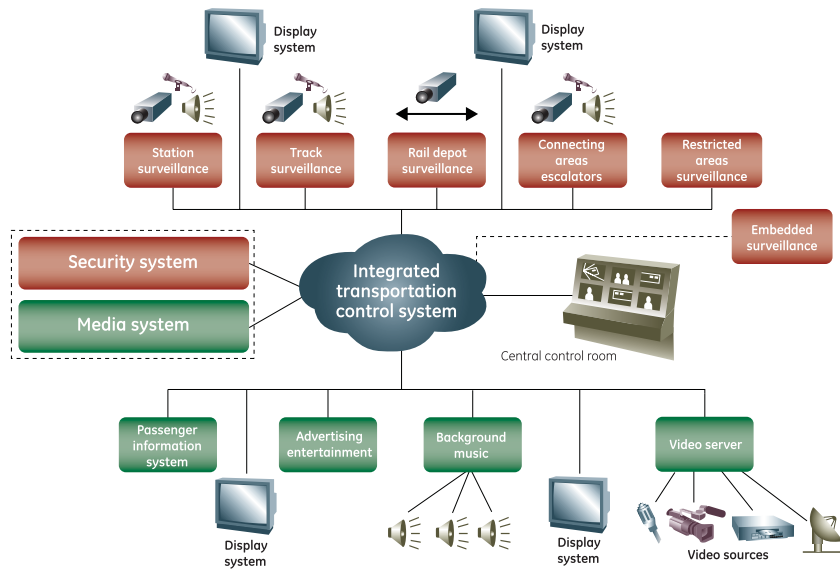
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Key advantages for transit applications

- High level of safety and security for passengers and staff
- Effective monitoring of escalators, platforms and connecting areas
- Save time and aid in disaster recovery efforts with redundant, hot-swappable devices and central configuration management
- Provide control room staff more time to protect people and assets by automating security maintenance procedures
- Integrate video and sound assisted emergency call management
- Easy passenger flow management
- Open hardware and software architecture; video codec independent

Figure 1: Typical mass transit architecture



Smart
 Scalable
 Open

VisioWave IVP monitors your system's condition and health, so you don't have to

Today's large and complex digital video systems make it difficult to know exactly how the system is performing. Because the VisioWave IVP architecture is built for large enterprise networks, the system can instantaneously access all devices and monitor performance, including:

- Status of video ports (inputs, outputs, connected, not connected)
- Health of hard drives, including any predictable failures
- Internal temperature of device
- Temperature of hard drives
- Fan speed
- Network statistics, activity and errors
- Network traffic (IP unicast, IP multicast and Asynchronous Transfer Mode (ATM))
- Statistics on connected network interfaces (Ethernet and ATM)

For every customer requirement VisioWave IVP offers easy customization and integration

The VisioWave IVP user interface provides robust command and control with comprehensive event management, flexible system configuration, and scalable solutions for any video surveillance application. Where even more customization or integration is desired, the VisioWave IVP Software Development Kit provides access to unlimited options through our open architecture, which is also used by many third-party developers to provide powerful enhancements and useful plug-ins.

