

You can't afford a breakdown with your intelligent video solution

GE's VisioWave Intelligent Video Platform (IVP) provides a reliable and flexible platform for intelligent traffic management systems, serving to reduce accident rates and improve the flow of traffic on roads, in tunnels and at tolls.

Improved safety and optimized highway capacity is made possible through faster detection and response to incidents with VisioWave IVP, helping balance traffic volumes between viable alternate routes. Video and other data related to traffic management can also be displayed on video walls to further enhance command and control capabilities.

The right fit for your traffic control application

Whether it is flexible storage requirements, high fault-tolerance or instant access to high quality, full frame rate video, VisioWave IVP accommodates a wide range of high-end surveillance challenges. GE's VisioWave IVP is embedded with advanced Video Content Analysis (VCA) software that analyzes live or recorded video streams, warns of unusual events and alerts you to irregular camera performance, providing security personnel and control room staff more time for critical tasks.

In addition to embedded VCA software, the open architecture of the system allows for integration of third party software giving you the option to choose analytics that improve the abilities of your security and surveillance officers. These could include plug-ins such as Automatic Incident Detection (AID), vehicle classification and identification, as well as license plate recognition.

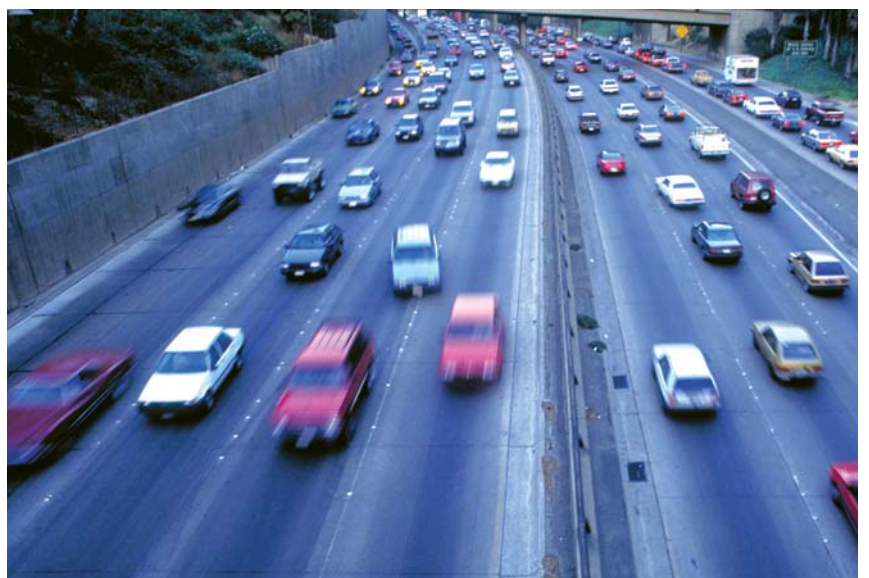
With VisioWave IVP, you have the power at your fingertips to acquire information in video, audio and/or data format; administer and analyze the information; take appropriate, timely action—all automatically, in one complete system.

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

Traffic Control and Road Safety

The large scale digital video solution to help improve roadway safety and traffic flow



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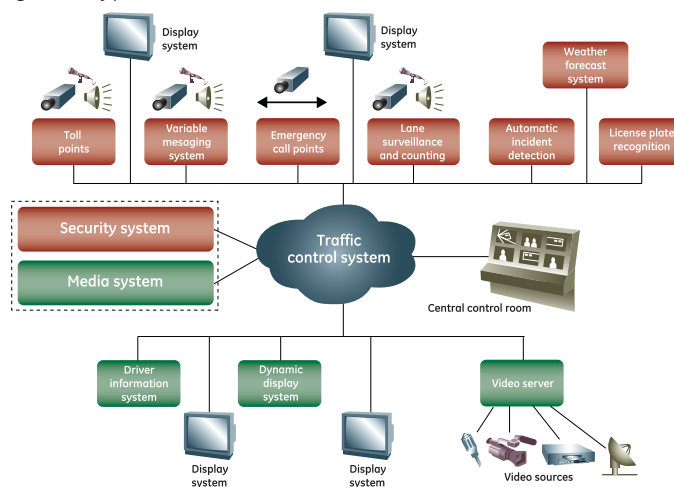
Smart
 Scalable
 Open



Key advantages for traffic control and road safety applications

- Visual detection of accidents or vehicles stopped in emergency lanes
- Detection of vehicles in wrong direction
- Reduced delays with detection and prevention of traffic jams
- Integration with weather and other information systems
- Vehicle counting and tracking
- Traffic and travel time management and optimization, including critical areas such as tunnels and tolls
- Local storage capability reduces demands on network usage
- Fault-tolerant devices to ensure minimal recording interruption
- Reuse your existing infrastructure and maximize IT investments thanks to video codec independent technology
- Save time and aid in disaster recovery efforts with redundant, hot-swappable devices and central configuration management
- Provide security and control room staff more time for critical tasks

Figure 1: Typical traffic control architecture



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.