

No intelligent video platform fares better

As airport traffic continues to increase, and security initiatives are heightened to preserve and protect millions of passengers and essential airport infrastructure, security professionals face new challenges and heightened demands for safety and facilities protection. Airport officials must now manage a complex environment that includes air and ground traffic control, lighting and radio systems, services equipment (fire department, police, logistics, maintenance), luggage and freight, passenger flow (check-in, boarding, customs), and communication systems such as information and public address.

GE's VisioWave Intelligent Video Platform (IVP) expands surveillance capabilities, facilitates system growth and manages the complexity that comes with it. It integrates smart software and precision-engineered hardware to create a comprehensive surveillance system designed to help protect people, property and critical infrastructure.

The right fit for your airport application

Whether it is flexible storage requirements, high fault-tolerance or integration with various airport systems, VisioWave IVP accommodates a wide range of high-end surveillance challenges. To further enhance the effectiveness of your security personnel and improve operational performance, GE's VisioWave IVP is embedded with advanced Video

Content Analysis (VCA) software that analyzes live or recorded video streams and reports 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 thirdparty software giving you the option to choose analytics that best meet your needs.

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

Airports

The large scale digital video solution to help protect facilities, assets, passengers, pilots and airport staff



Example of custom user interface



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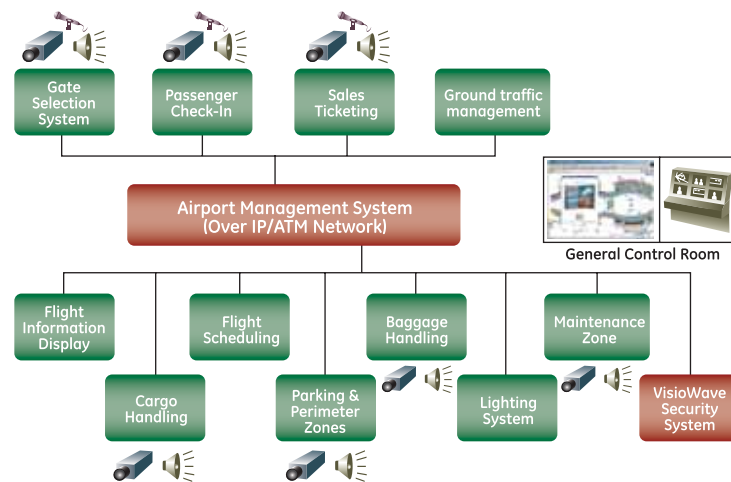
Smart
 Scalable
 Open

Key advantages for airport applications

The fully networked VisioWave IVP provides more effective security and quicker return on investment than other systems

- Effective internal and external surveillance of facilities including terminals, parking areas, runways, entrances and exits
- Ability to distribute video content to other airport services through shared and secured access to the system
- 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
- Reuse your existing infrastructure and maximize IT investments thanks to video codec independent technology

Figure 1: Typical airport 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 the system is performing. Because the VisioWave IVP architecture is built enterprise networks, the system can instantaneously access all devices 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)
- 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.

