

INNOVATION INTEGRATION PERFORMANCE

**Applus<sup>+</sup>**  
Technologies

# Video Surveillance Solutions



Applus network-based, real-time and fully managed solutions make more intelligent use of critical information

From employee conduct to asset security and equipment functionality, video surveillance plays an increasingly critical role in helping organizations protect and manage their operations. Applus Technologies offers robust solutions that combine network-intelligent video distribution, resilient system design and industry-leading wireless technology all within a flexible and cost-effective open architecture.

# Better solutions for video surveillance

Applus delivers a powerful video surveillance system that is integrated with universal communications and a business intelligence platform to provide better security and smarter use of critical information. Integrating video surveillance with real-time information about pressure modulations in gas and oil wells or transport pipes, for example, can help managers respond quickly and effectively to avoid a potential disaster.

## High Definition Video Surveillance

When detail matters: HDTV or megapixel surveillance cameras offer resolution at least three times better than an analog CCTV camera. These cameras deliver true

color representation and clear images which increase the chances of identification. This makes high definition video surveillance such an asset for surveillance operations where greater clarity on what's happening makes a vital difference, such as in retail stores, airports, passport controls, casinos, or transportation.



## Intelligent Video Surveillance

### Detecting possible security breaches 24/7:

Intelligent surveillance delivers real-time vigilance to spot the most common behaviors that can indicate a security breach, including moving target detection, perimeter/zone violation, loitering, and suspicious object detection. The system works with fixed and pan/tilt/zoom (PTZ) cameras, continuously compensating for camera movement and vibration do deliver clear and uninterrupted surveillance.

**Virtual Perimeter Breach**—This solution protects fence-lines, virtual perimeter boundaries, and secures entry/exit points. It's typically used when the presence of a moving object is, by itself, not sufficient to indicate an alarm condition. Applus designs the system so you can designate authorized and unauthorized zones, objects, sizes, and surveillance times to create virtual perimeters in a scene. The system alerts you if objects or individuals move from authorized to unauthorized zones.

- **Track People and Vehicles**—Follow, track and count people and vehicles—and be alerted immediately to any suspicious activities.
- **Moving Object Detection**—Protect the inside and/or outside of a perimeter, either close-up or at a distance. The system performs reliable, low false-alarm-rate detection of moving objects, even against clutter caused by camera sway, moving leaves on a tree, snow, rain, or small waves on water.
- **Object Left Behind**—This system provides robust detection of objects that are left behind in a zone of interest. Users can define zones of interest, object sizes and detection time intervals to suit the operational environment.
- **Loitering**—Detect the presence of people or vehicles that stay too long in a designated area. Users can define zones of interest, object characteristics and time in zone.
- **Fire and Smoke**—This system sees the presence of flames within the camera's field of view. In addition even if flames are obstructed from view, the system detects reflected firelight and the presence of pluming smoke clouds and ambient smoke.

## Public Safety

**New developments in video surveillance enable municipalities to improve public safety while keeping budgets under control.**

In particular, Applus open-systems approach to Public Safety Video Surveillance solutions

**Applus solutions answer surveillance needs for diverse, geographically dispersed organizations, including:**

GOVERNMENT INSTALLATIONS  
INTERSTATE TRANSPORTATION NETWORKS  
ENERGY PRODUCERS  
CHEMICAL PLANTS  
POWER GRIDS  
WATER PURIFICATION TREATMENT  
DISTRIBUTION FACILITIES

rewards local governments with substantial cost savings and greater functionality. That's because Applus customizes each solution using a variety of hardware and software from best-of-breed manufacturers and integrates public safety surveillance with other security systems—all from a single point of control. Video-enabled access and other security systems provide situational awareness that can further save money and speed response time. Applus has extensive experience innovating wireless-enabled solutions using a variety of technologies such as wireless mesh, point to point, point to multipoint and cellular 3G/4G.

## Critical Infrastructure

**Applus solutions meet mission-critical standards.** Keeping power generation facilities, water purification and delivery systems, factories and plants, office buildings, logistics hubs, oil and gas facilities, chemical plants and other critical infrastructure secure is vital. Applus meets the challenge with video surveillance solutions that improve safety and security by reducing risks ranging

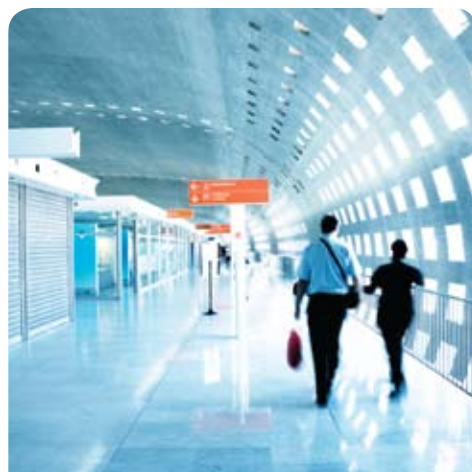
from common theft or vandalism to threats from organized crime, espionage, sabotage and/or terrorist activities.

## Transportation

**Applus systems can deter problems and lead to faster apprehension of criminals and terrorists.** Applus video surveillance solutions can play a major role in helping public transportation systems maintain a safe environment for passengers and staff. Video surveillance can also help reduce vandalism at stations and on buses, subways and vehicles—reducing the funds that must be spent removing graffiti and refurbishing structures and vehicles. Our high-definition, full-featured systems not only monitor what's happening, they help discourage and prevent violence, crime and terrorist attacks. They can also serve as early-warning systems: identifying suspicious behavior and exposing potential threats. In recent years, video surveillance has led to faster apprehension of criminals and terrorists.

## Environmental Video Surveillance

**Applus solutions go beyond conventional surveillance.** Applus solutions go beyond conventional surveillance to provide real-time surveillance. Environmentally sensitive areas such as chemical, oil and gas pipelines and hazardous storage facilities can be threatened by any number of security breaches from intentional intrusions to adverse weather.



Applus video surveillance can play a significant role in surveillance of critical assets but also in managing and maintaining them effectively. Since a fast response to potential problems can greatly reduce the costs of clean up and damage, it's no longer enough to rely on conventional surveillance that is usually done via visual observation from aircraft flying the pipeline on a weekly or monthly schedule. Applus provides a video surveillance solution that adds reliability and provides real-time surveillance capability to detect intrusions and events instantly, categorize the events, and alert operations personnel. Integrated within a visual common operating picture, Applus solutions create an easy-to-use environment for viewing, recording and acting on intrusion or weather-related events. Quite simply, video surveillance will help you meet and exceed your health, safety and environmental requirements—and your own expectations and business goals.

## The Applus Advantage

- IP-based technology and video surveillance offer significant advantages over analog systems .
- Open-systems architecture allows legacy systems to be integrated with multiple new components to create customized, best-of-breed solutions quickly and cost-effectively.
- Turnkey solutions—our highly experienced engineers work with you to design the optimum real-time network system, manage the installation, oversee start-up and provide ongoing support

**It takes creative thinking to monitor  
and manage complex environments.**

Headquartered in Chicago, IL, Applus Technologies, Inc. is a recognized leader in providing high-performance, cost-effective solutions for addressing complex security, financial, operational and regulatory compliance challenges. Our solutions are distinguished by open systems and seamless integration of IT, engineering and technology that make highly customized functionality affordable and easy to manage. Combining our North American resources with those of our international parent, Applus Servicios Tecnológicos—with more than \$1 billion in annual revenue—enables Applus to provide local support in 40 countries on five continents, making us an experienced and responsive partner for businesses and government agencies worldwide. Applus Technologies is backed by financial stability that means you can count us for a quality solution today and continued support and innovation for years to come.

Security

Asset Management

Information Technology

Emissions Inspections

**Applus**   
Technologies

**Sharper Perspective  
Driving Superior Performance**

444 North Michigan Avenue  
Suite 1110  
Chicago, IL 60611  
phone: +1-847-616-6122  
email: solutions@aplustech.com