SECURITY PLUS
Intelligent Video-based Security Platform for Mission Critical Systems

Core Security System
+ Real Time
+ Intelligence
+ Integration
+ Reliability
ACTi Security Plus is an end-to-end security platform designed for highly critical systems.

The modern concept of security system combines real-time information management with intelligent and automated features for immediate incident handling. It is able to interact not only with the surveillance system, but also any other integrated systems around it which have relevance to security management. Either large or small scale, the systems have to be highly reliable. ACTi Security Plus contains the automated services that ensure the system reliability.
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CORE SECURITY SYSTEM
The solid foundation of the security platform that connects everything

Challenges

Large-Scale or Multi-Site Installation
CMS can centrally manage unlimited NVRs and Cameras, no matter if on different floors or different continents.

Investigation of Criminal Activities
Thoroughly monitor your premises and record clear evidence to minimize the chances of crime.

Discreet Monitoring
A covert camera installed at the face level can always see the face without being noticed.

Mobile Vehicles and Rolling Stock
The Transportation NVRs can record high-quality video and automatically offload the video to the data center.

Solution Diagram
Products

Devices

Cameras
- Up to 12 MP resolution and 36x zoom
- Clear videos with details in any lighting condition
- Location Adaptive Cameras for different environments, such as corner or height strip installation
- Application Cameras for special purposes, such as discreet monitoring, thermal imaging and intercom

Encoders
- Up to 16 channels supported
- Industrial grade design able to withstand extreme environments

NVR
- High definition live view with customized layouts
- Combining surveillance video and customized content using embedded websites
- Standalone NVRs with up to 200 channels supported
- Vibration-proof Transportation Standalone NVRs with up to 32 channels supported
- Powerful Software NVR 3 in three editions

Extended Storage
- 12-bay storage system available for large-scale projects
- iSCSI, eSATA supported

Servers and Application Software

Edge Recorder Server
- Hosting the configuration of cameras and managing user groups

Edge Recorder Client
- Accessing videos stored on cameras’ or encoders’ local storage
- Up to 16 channels supported

Central Management System (CMS) Server and Client
- Map-based site management
- User-friendly interface of CMS Web Client and Workstation to configure NVR or CMS servers
- Video TV wall display for group viewing

Station Management System (SMS)
- Live view streaming via 3G/4G network
- Automatic video offload to data center via Wi-Fi
REAL TIME
Instant delivery of critical information to any device, anywhere

Challenges

Theft Prevention
Public display of live surveillance video can effectively deter people from stealing.

Remote Monitoring
Upon incident occurrence, the security guard or manager can be notified immediately and verify it remotely with mobile devices.

Solution Diagram
**Products**

**Devices**

Signage Media Display Device
- Surveillance live video, prerecorded video, text, images
- Up to 16 video devices supported
- Central control and management with Media Management Server

**Servers and Application Software**

ACTi Notification Server
- Receiving instant pop-up notifications from NVR 3, even when the phone is in standby mode

Mobile Client
- Access to multiple cameras, NVRs and CMS servers
- Integration with network devices, such as alarms, locks or electric gates
- Live video push from mobile device’s camera to NVR

Emergency Server and Client
- Remotely notifying the security center about any incident
- Unlimited remote clients supported

ACTi SARA
- Instantly control security equipment such as PTZ cameras or TV Wall with your voice
- Verbally operate building automation systems, parking lot gates and other physical devices
- Receive voice-based security alerts
INTELLIGENCE
Hands-free smart system that handles the incidents automatically

Challenges

Camera Tampering Detection
The surveillance system can detect unauthorized manipulations of the camera, and immediately alert the control center.

Illicit Activities Detection
The surveillance system can detect the theft and alert the control center.

Black-listed Car Recognition
ACTi ALPR technology solution can distinguish between black and white listed cars, and perform a predefined action.

Customized Rules and Reports (MAS)
Customized multi-conditional rules to trigger events for better security management.

Solution Diagram

Intelligence

Intelligent Metadata
- IVS Camera
- Metadata Generator Box
- IVS/ALPR Server

Application Software
- IVS Client
- Incident Management MAS Server
- Reporting Server
- Incident Management MAS Client
- Reporting Client

Video Devices
Recording System
Central Management
Core Security System
Products

Devices

IVS Cameras
- Cameras with built-in analytics to detect and identify suspicious activities

Servers and Application Software

IVS Server
- Smart algorithms such as Line Crossing, Enter Area, Missing Object, Unattended Object, Tamper, People Queue detection and more to identify various scenarios

ALPR Server
- Video-based analytics software to detect and recognize car license plates
- Built-in analytics, such as License Plate Recognition, Speed Estimation and Vehicle Counting

IVS Client
- Manage IVS Server or ALPR Server conveniently over the network

Reporting Server and Client
- Generating reports based on metadata from IVS Server and IVS Camera
- Built-in Heat Map and Dwell Time analytics

Incident Management MAS Server and Client
- Dedicated user interface to handle incidents specific to customer’s organization
- Combine video, snapshots, voice detection, IVS events and memos into a complete incident management flow

Metadata Generator Box
- Machine learning-based behavior analysis
- Collecting and aggregating metadata from connected sources
INTEGRATION
Security beyond surveillance system

Challenges

Unauthorized Access Prevention
Prevent the loss resulting from identity fraud with video proof and entry log at the same time for verification.

Map-based Central Management
Know each vehicle's location for real-time tracking with GPS.

Tackling Employee Theft
Prevent profit loss resulting from critical transactions with video proof along with transaction data.

Incident Notification Alert
Alert the control center upon incidents via the alarm bottom.

Solution Diagram

Integration

Extended Security System
- Positioning System
- IoT

Critical Security System
- POS System
- Active Directory
- Access Control System
- Alarm System

Video Devices
Recording System
Central Management
Core Security System
Products

**Intergrated Solution**

Access Control System Integration
  - Utilizing ACTi IVS technology to detect tailing and other abnormal events automatically
  - Immediate alert of unauthorized and exceptional entry
  - Integration with ACTi Intercom Management System

POS System Integration
  - Combining POS system data and video from the cashier area
  - Video verification of abnormal transactions
  - Real-time notifications to the control center and mobile devices

Positioning System Integration
  - Tracking fleet of taxis, buses, trucks and more
  - Position monitoring of people and objects in indoor areas
  - Map-based view for location-aware management

Alarm System Integration
  - Real-time notification of break-ins
  - Video verifications of alarm events

IoT Integration
  - Controlling your surveillanc devices, such as audio devices, pressure and temperature sensor, via internet

Active Directory Integration
  - Access to NVR, CMS and other related systems with a single account
  - Centrally managing and terminating permissions of users
RELIABILITY

Redundancy and watchdog systems to prevent data and service failures

Challenges

Video Evidence Assurance

Prevent video evidence missing due to external factors with redundancy service.

Health Status of the Surveillance Systems

Constantly detect the status and responsiveness of the whole system, and give the real-time notification.

Solution Diagram

![Solution Diagram Image]

Contains a detailed diagram illustrating the architecture and components of the system, emphasizing the concepts of reliability, watchdog service, redundancy service, video devices, recording system, central management, and core security system.
Products

Servers and Application Software

DDNS Service
- *Ensure that cameras with dynamic IP addresses can always be accessed by video management system*

Redundancy Service
- *Standby NVR ready to temporarily replace any other NVR in the network upon any interruption*
- *Synchronizing the information with original NVR upon recovery*

System Management MAS Server and Client
- *Camera and IVS Server health monitoring*
- *Other devices or servers Status Monitoring Service*
- *Watchdog Report for better system management*
- *Mobile App with instant notification of failure*
SECURITY PLUS COMPLETE SOLUTION

All systems of ACTi Security Plus combined into a complete solution diagram
8 REASONS TO USE ACTI SECURITY PLUS

1. Save labor cost by automated intelligence-based surveillance.

2. Notify security employee of all incidents to reduce the risk of negligence.

3. Detect special-case events by defining custom rules based on multiple conditions.

4. Handle the situations on the go by using mobile devices with full capability of decision functions.

5. Solve the emergencies in crowded premises by sending notifications via public display monitors and handheld devices.

6. Save valuable time in emergencies by bringing multiple systems into a single user interface.

7. Increase the accuracy of access control and other critical systems by combining them with smart video surveillance.

8. Prevent surveillance system failure resulting from external factors with redundancy and watchdog services.
ACTi, YOUR BEST PARTNER IN SECURITY MANAGEMENT

As a fast growing solution provider, ACTi is dedicated to manufacturing state of the art IP video surveillance technology and providing end-to-end turnkey solutions worldwide. ACTi’s powerful video analytics provide an intelligent layer of protection against vandalism and intrusion. To increase the security level of the system, ACTi solutions can be integrated with access control to prevent any unauthorized access to restricted areas. ACTi solutions can also be integrated with alarm systems to help validate and respond to triggered alarms, avoiding any unwanted loss caused by false alarms or enabling a quicker response to true emergency situations. With ALPR technology, the management of vehicular traffic entering and exiting the building will become easier and more efficient.

Secure your site and maximize the incident management efficiency with ACTi now!