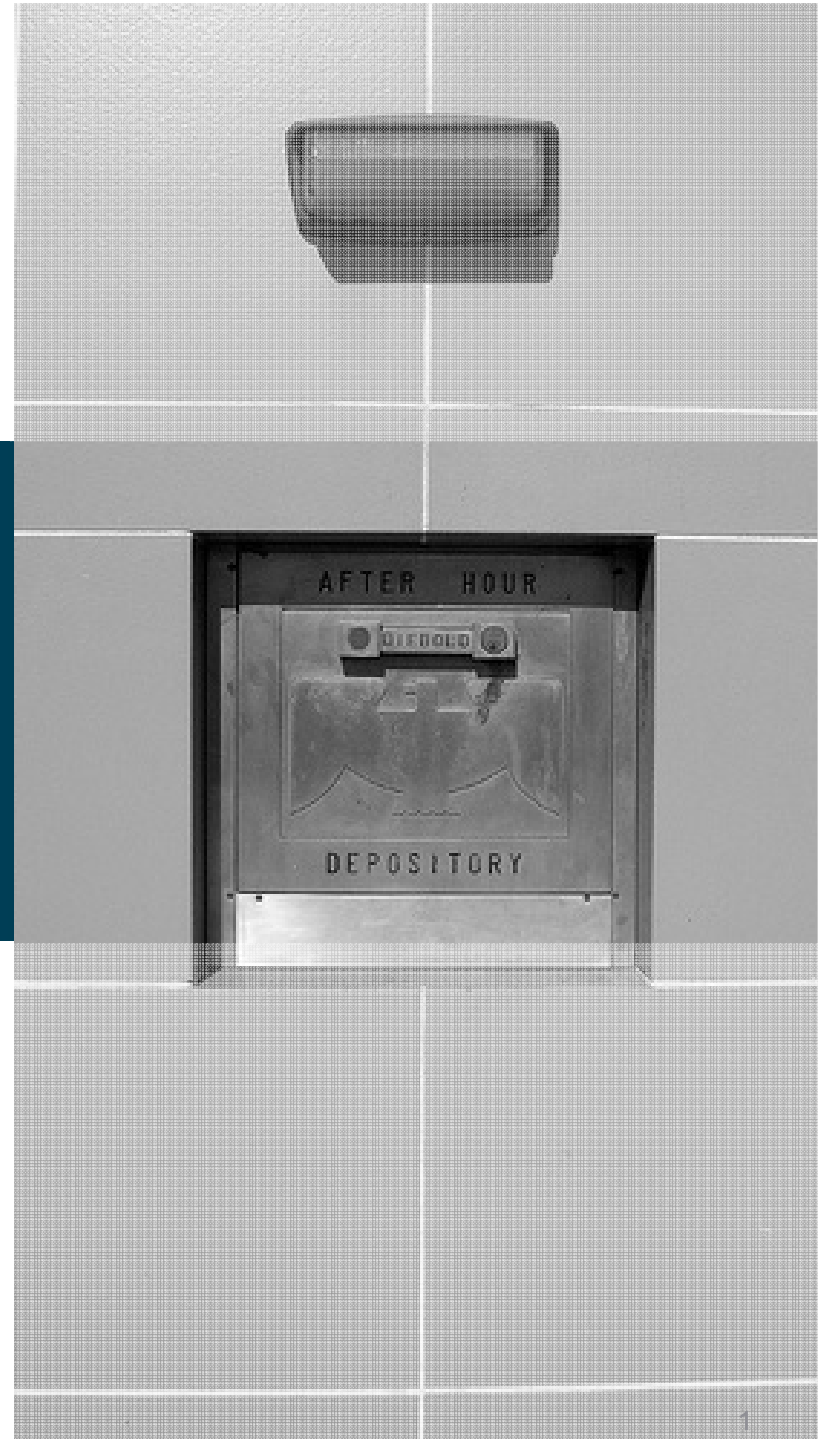


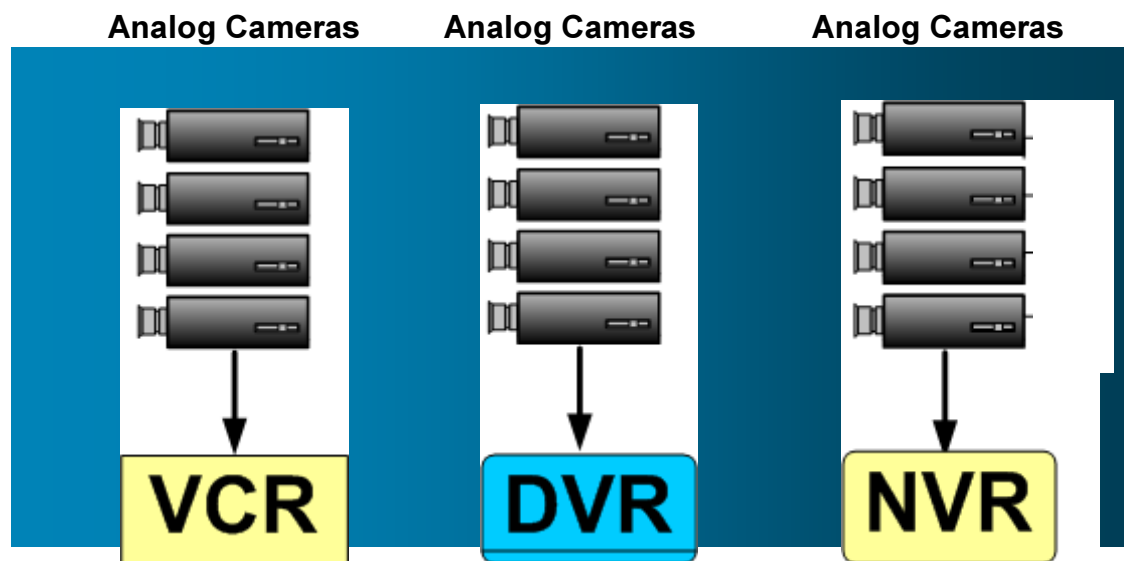


Cisco Physical Security

Dragan Novaković
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Video Evolution



VCR & Analog

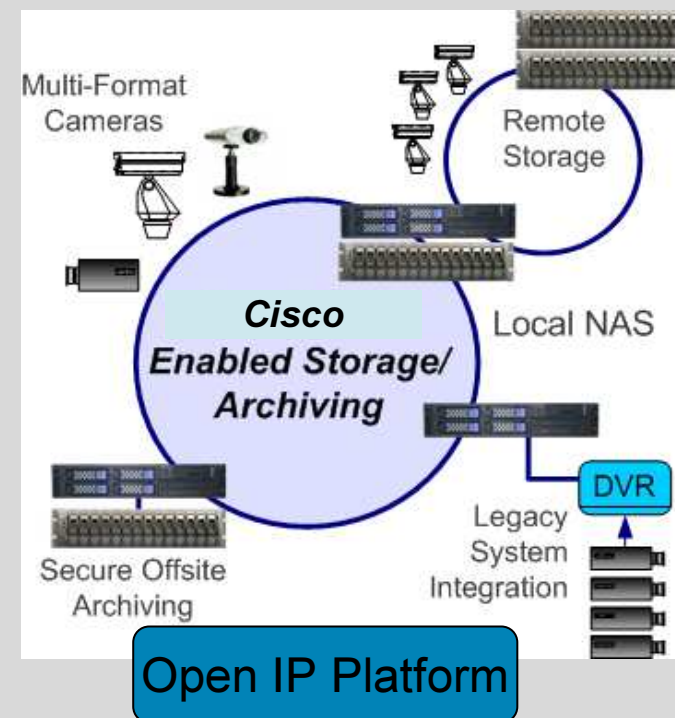
- Standalone box
- Poor image
- Hard to search
- No remote access

DVR

- Easier to search
- Consistent Quality

NVR

- DVR benefits
- More storage options
- Limited network connection



Cisco Video Surveillance Platform

- Secure viewing from anywhere
- Fail-safe redundant storage
- Easy integration with other systems
- Enterprise class storage and support

Challenges

Conventional Bank Security Solutions are:

- Slow

Most banks rely on aging, analog video surveillance and access control systems

- Siloed

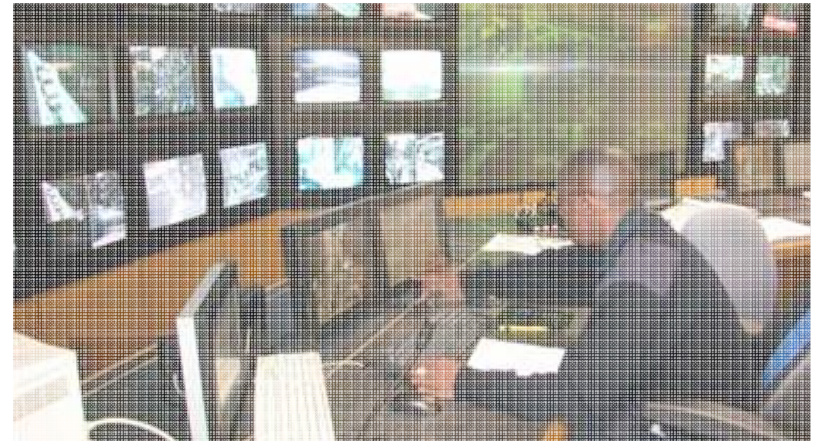
Security systems for surveillance, access control are typically proprietary, non-integrated standalone systems

- Expensive

Increasing expenses due to maintenance and operating of aging, disparate analog systems



Cisco Physical Security Solution



Cisco Physical Security

Video Surveillance, Access Control, Incident Response

Unified Command and Control

Threat Detection



IP Surveillance
Cameras



Sensors



IP Gateways for
Access Control



IP Interoperability and
Collaboration Solution



Physical Access
Manager



Video
Surveillance
Manager

Threat Response



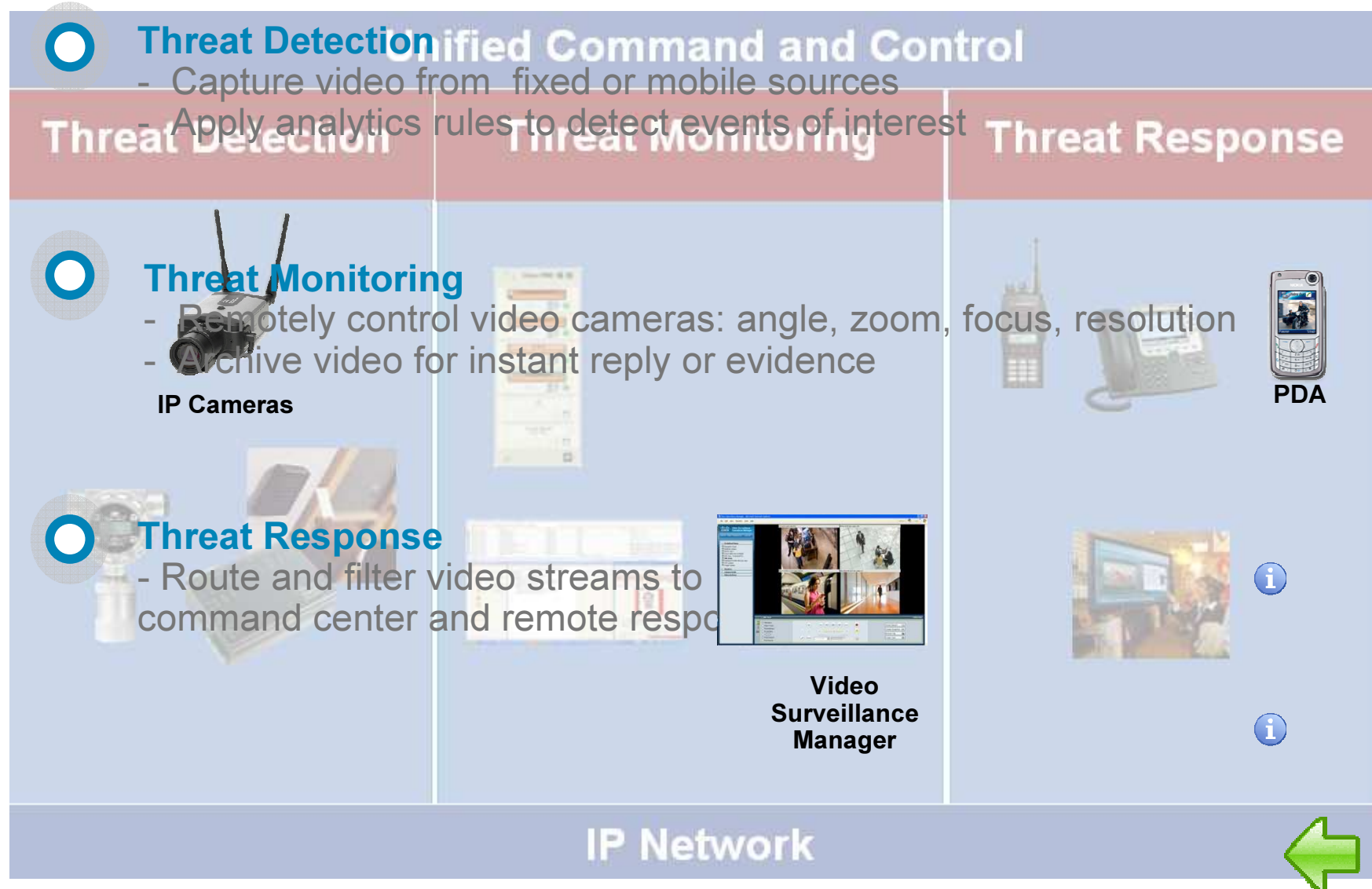
Radios, Mobile Phones,
IP Phones, Soft Phones



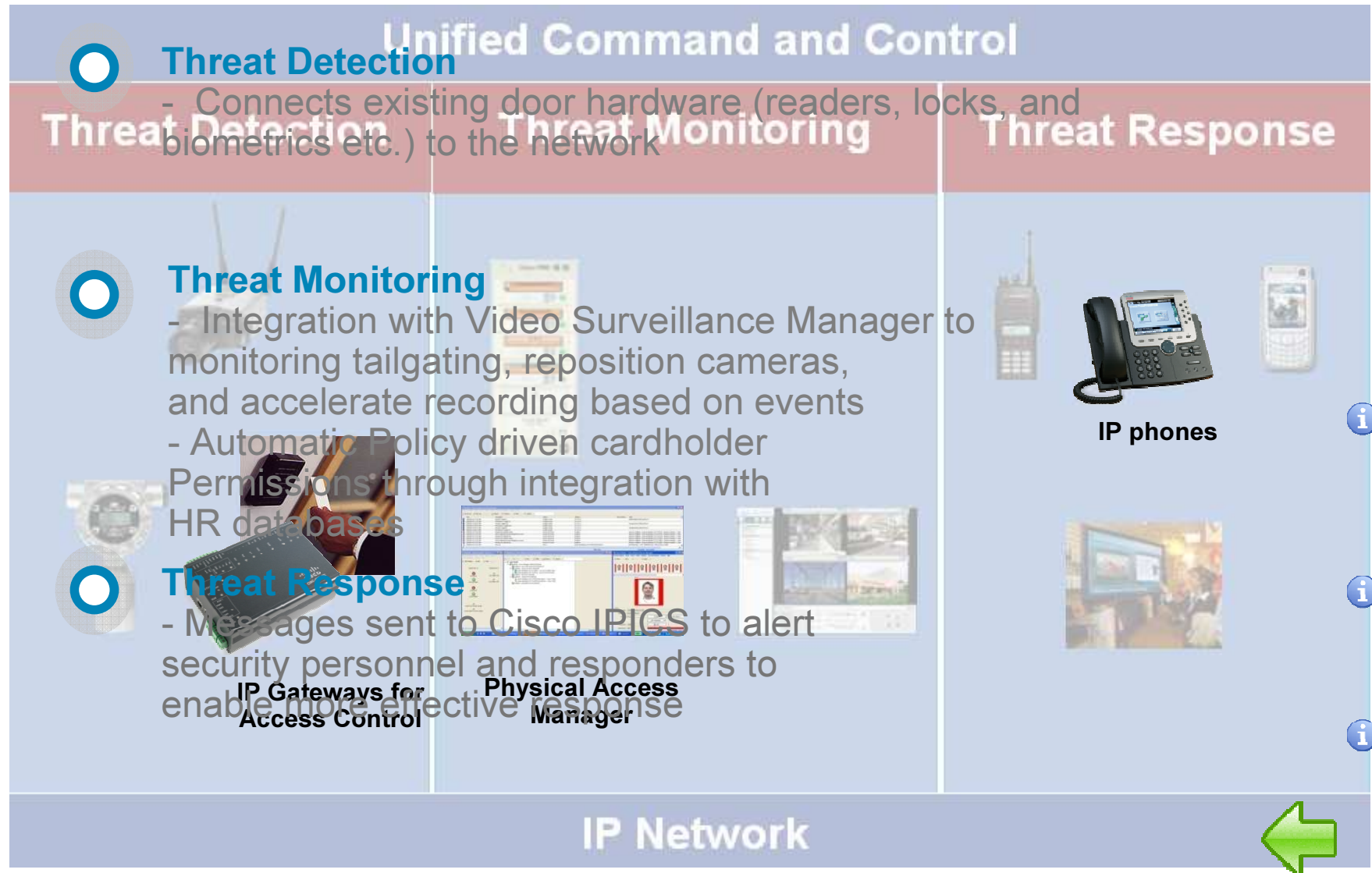
Digital
Signage

IP Network

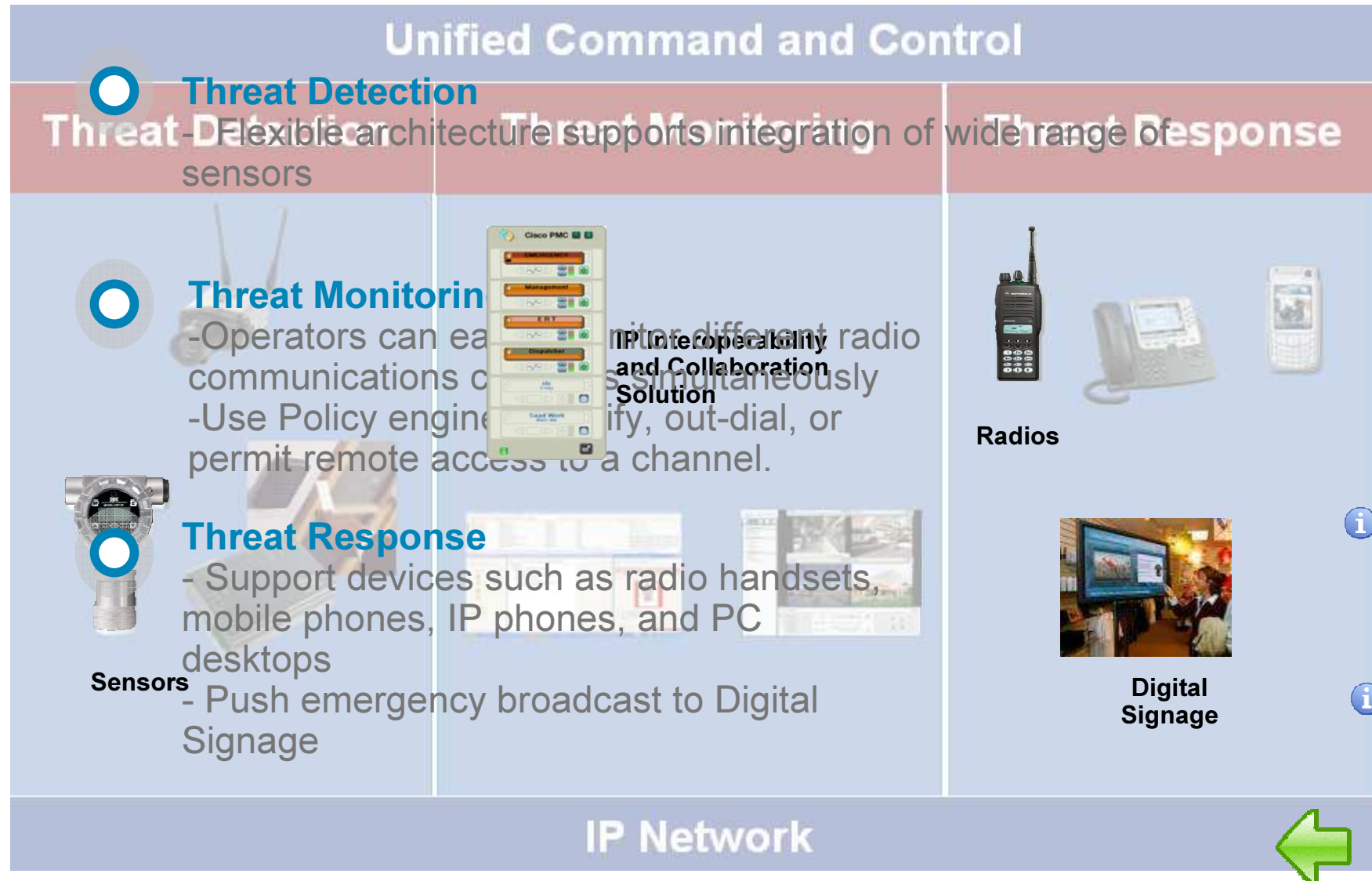
Cisco Video Surveillance Solution



Cisco Access Control Solution

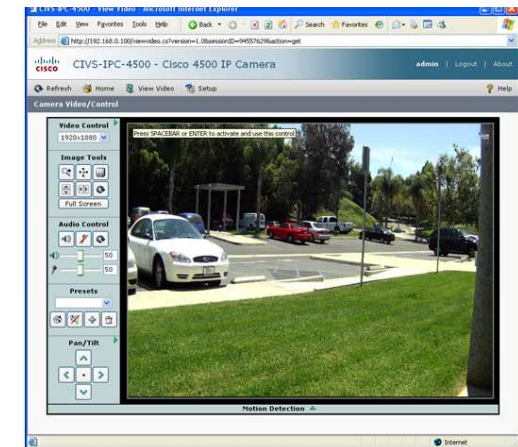


Cisco Incident Response Solution



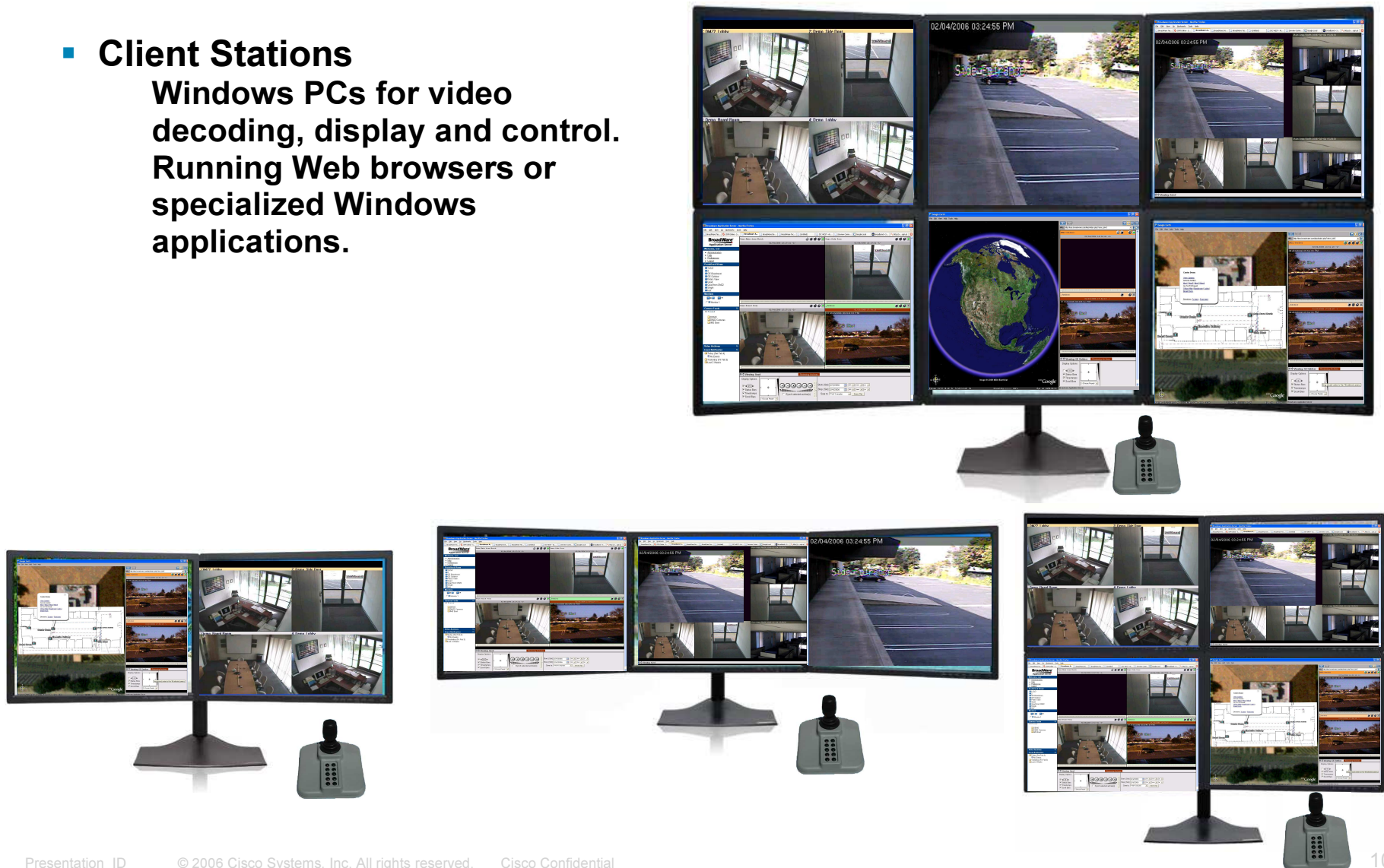
Cisco Video Surveillance IP Cameras

- High definition, standard definition, and dome IP cameras
- Access to video at any time from anyplace
- Day and night operation
- Embedded security and networking
- Motion detection and event notification
- Wireless capabilities
- Easy to deploy with power over Ethernet



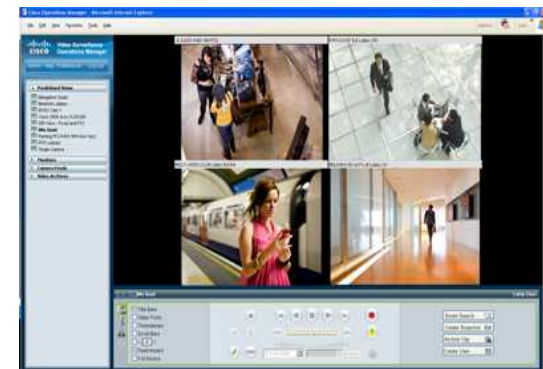
Client Side

- **Client Stations**
Windows PCs for video decoding, display and control.
Running Web browsers or specialized Windows applications.



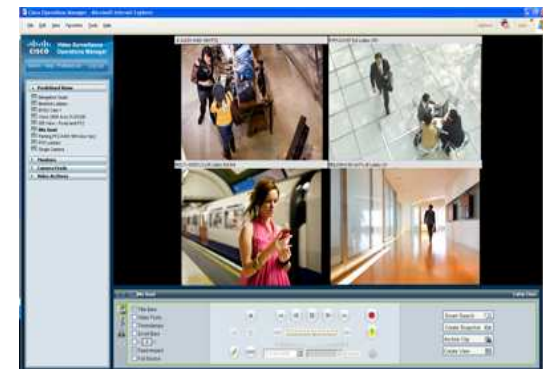
Cisco Video Surveillance Manager

- Offers multi-site and remote-site video surveillance
- Manages, distributes, and archives video streams
- Delivers low-latency, high-quality, event-tagged video
- Supports broad range of cameras, codecs, viewing platforms, and network topologies
- Manages cameras, video servers, sites, and viewers
- Provides bandwidth management



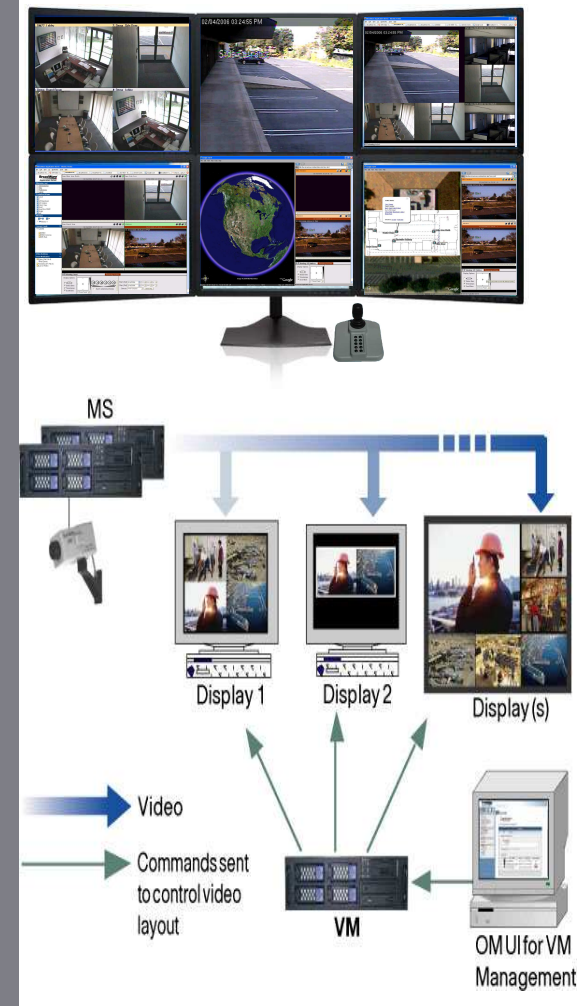
Video Surveillance Operations Manager

- Enterprise solution
- Highly configurable to effectively manage complex video applications
- 100% browser-based UI
- Multiple web-based consoles to configure, manage, display, and control video throughout a customer's IP network.
- Unlimited cameras, storage, viewers

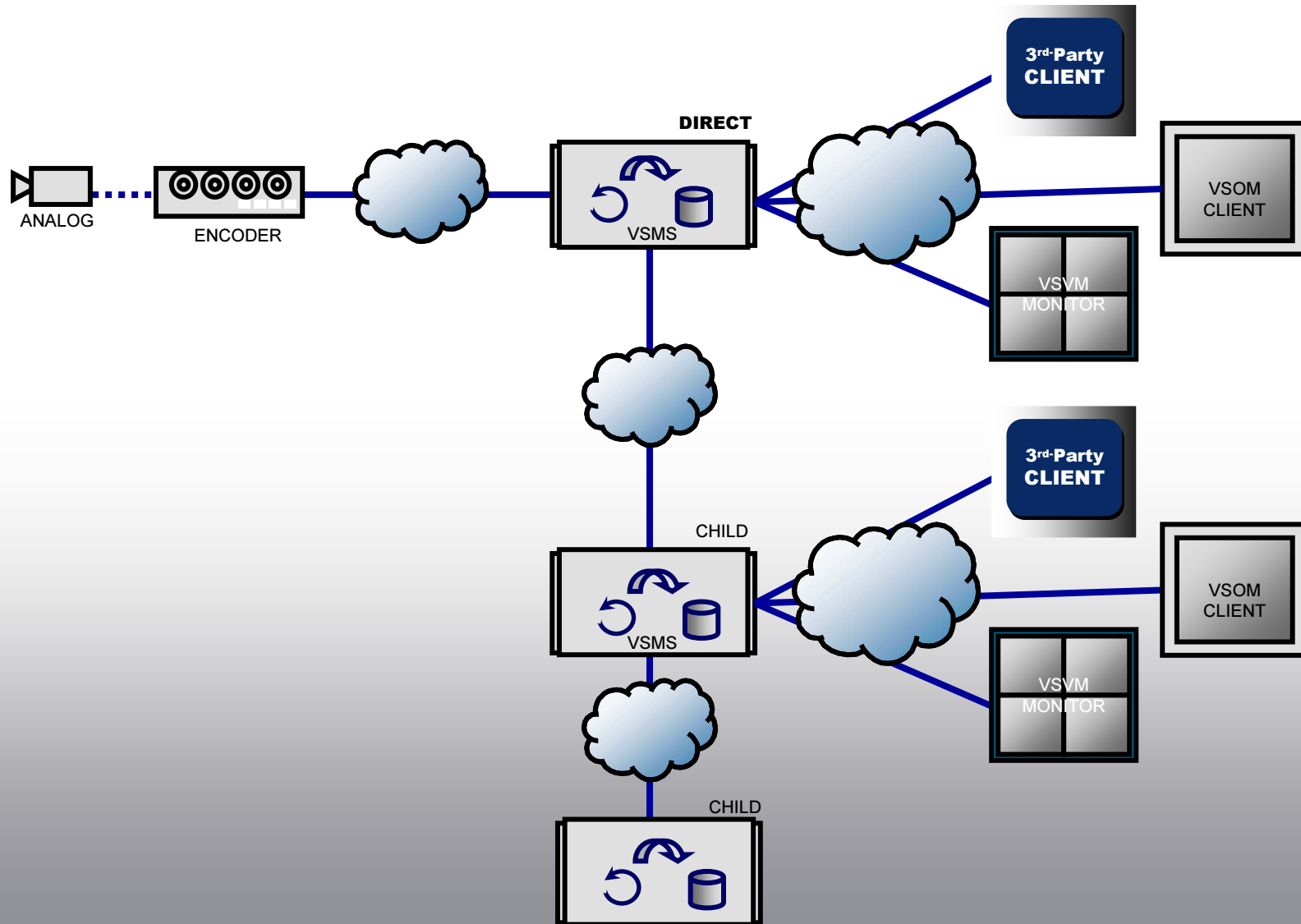


Video Surveillance Virtual Matrix (VM)

- Controls an infinite number of video displays on network
- Easily integrates with other systems
- Flexible delivery of live & archived video
- Distributes to Video Wall
- Controls multiple video displays from a single station
- Event/Action
- Push video to remote screens



Proxy-to-Proxy

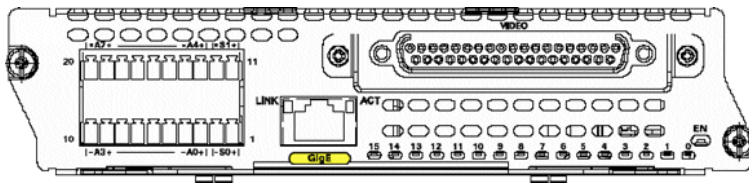


Multi-Services Platform (MSP)



Cisco Integrated Video Surveillance for ISR

The Cisco Integrated Video Surveillance Solution provides a cost effective way to deploy globally accessible surveillance to your remote sites



Integrated Analog Video Gateway



Integrated Video Management and Storage System

■ **Analog Video Gateway (EVM-IPVS-16A)**

Offers analog video interface for IP Video Surveillance Solutions

16 Analog Video Ports: MJPEG, MPEG-4, H.264

8 Contact Closure Ports

2 RS-485 ports for device Pan/Tilt/Zoom control

■ **Video Management and Storage System**

Targeted at <32 stream (camera) deployments

Utilizes pre-packaged **VS Operation Manager** and **VS Media Server**

Manage, view and archive surveillance data for up to 32 devices simultaneously

Unified interface into IP Cameras and Analog devices (through the AVG)

Key Benefits

Single Box Solution for UC and Surveillance

Remote access to surveillance data for alarm/event validation

Cisco Video Physical Access Gateways

- Connects door locks and readers to the IP network
- Controls up to thousands of doors
- Directly configurable through a built-in Web server
- Supports offline operations if network connectivity is lost
- 250,000 credentials can be cached and encrypted
- 150,000 events can be buffered by the door



Cisco Video Physical Access Manager

- Management application for configuring hardware, monitor activity, and enroll users
- Supports a comprehensive list of access control policies
- Easy integration with other IT systems
- Flexible reporting capability
- Easy access to video through integration with Cisco Video Surveillance Manager



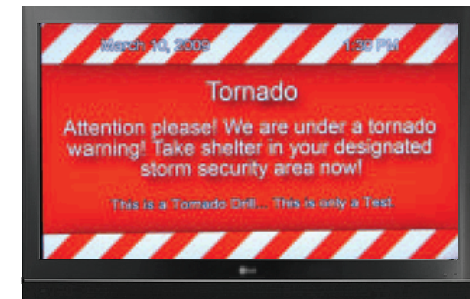
Cisco IPICS

- Cisco Interoperability and Collaboration System is an intelligent resource management application that orchestrate resources, media, and information
- IPICS consists of
 - IPICS Server
 - Land Mobile Radio Gateways
 - Push-to-Talk Media Clients
 - Cisco IP Phone PTT Clients
 - Cisco Policy Engine
- Effectively manage communications across distributed radio systems, locations, and networks

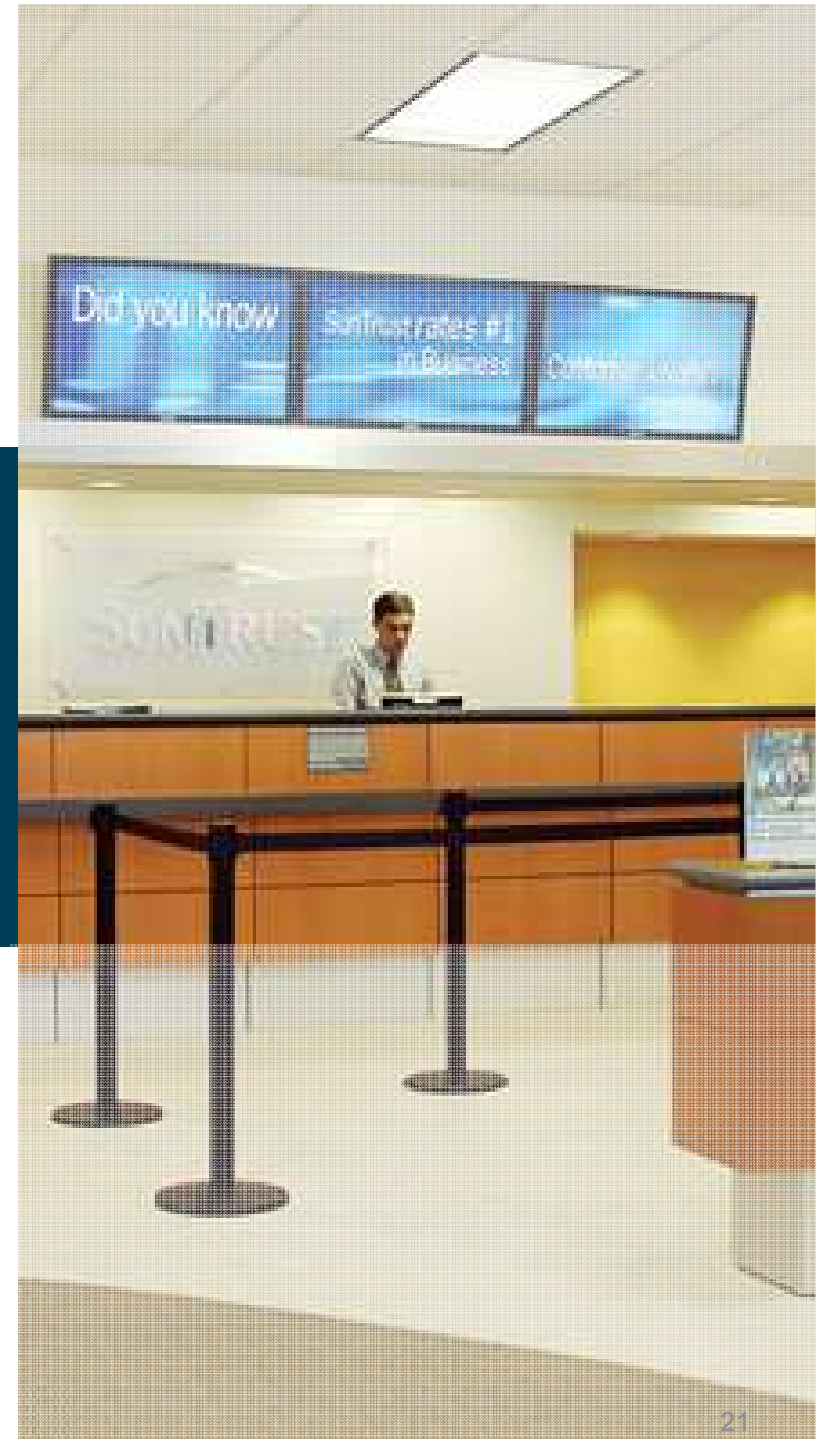


Cisco Digital Media Signage

- The Cisco Digital Media System solution suite comprises products for the creation, management and access of digital media
- Integrate the video surveillance system with the Cisco Unified Communications system and Cisco digital signage system
- Alerts can be sent to predefined public safety agencies if a specified event occurs and broadcast emergency alerts and instructions on digital signage



Benefits



Benefits

Cisco Physical Security

- Empower security personnel
- Enhance Security systems effectiveness
- Improve security while protecting existing investments
- Create a flexible physical security infrastructure
- Leverage new capabilities beyond security

Why Cisco?



Why Cisco for Physical Security?

Cisco is a leader in the convergence of data, voice, and video, with proven expertise delivering integrated security and communications systems that protect banking institutions worldwide.

Cisco can provide:

- Proven expertise in converged voice, video, and data networking
- A groundbreaking “open application programming interface (API)” model
- Tight integration of security applications, devices, and your IP network
- Intelligence that extends throughout your security infrastructure
- Integration of existing security systems and devices in your branch locations





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