

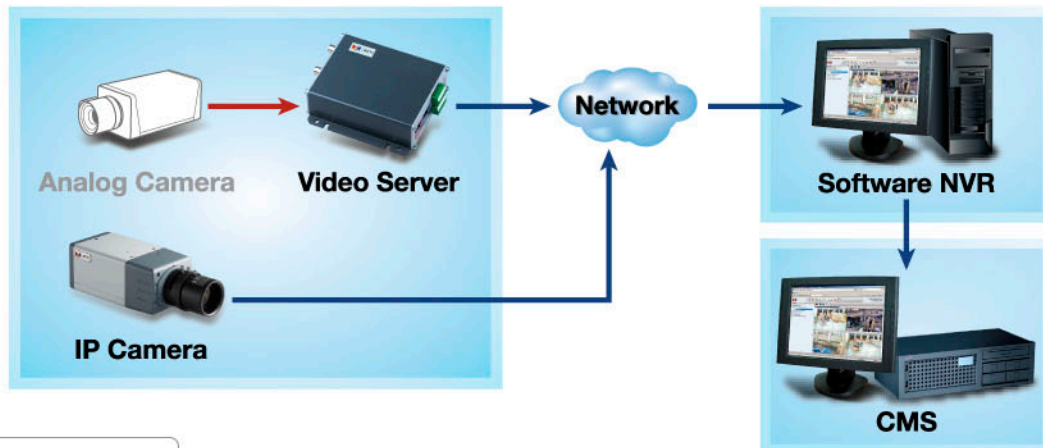
IP Surveillance Technology Leader

2010 Solution Guide

- ▶ **H.264 / MPEG-4 / MJPEG**
- ▶ **Megapixel / High Definition**
- ▶ **64-CH NVR / Standalone NVR**
- ▶ **CMS**

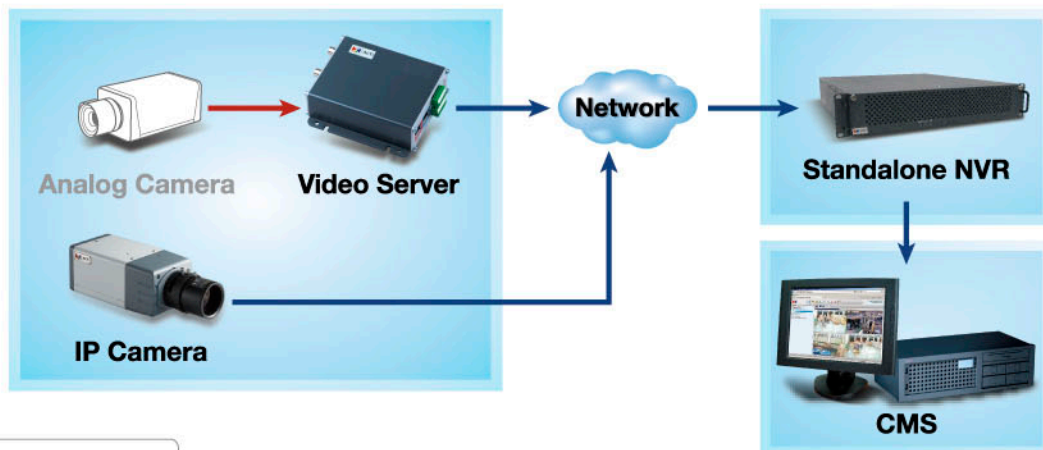
Solution Architecture

Software NVR



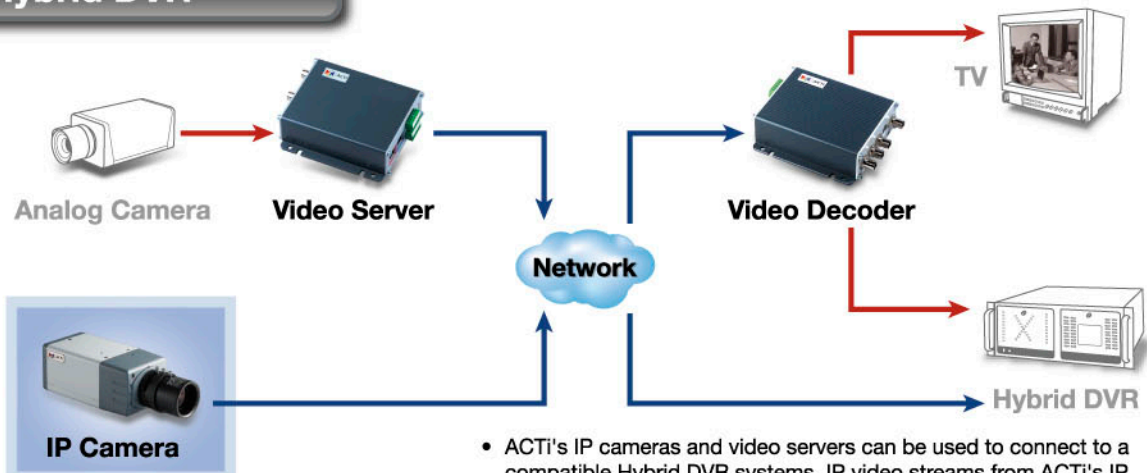
- The NVR Software is installed onto a PC server. This software manages all of the IP video devices on the network; whether they are IP cameras or analog cameras using video servers to convert the analog signals into an IP stream.
- Multiple NVR servers can be managed by CMS server.

Standalone NVR



- A Standalone NVR is a dedicated machine that manages all of the IP video devices on the network; whether they are IP cameras or analog cameras using video servers to convert the analog signals into an IP video stream.
- Multiple NVR servers can be managed by the CMS server.

Hybrid DVR

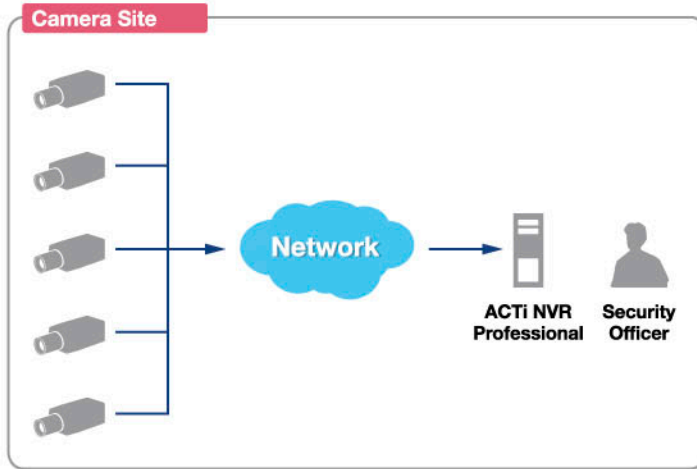


- ACTI's IP cameras and video servers can be used to connect to a compatible Hybrid DVR systems. IP video streams from ACTI's IP cameras and video servers can be converted into analog video with the use of ACTI video decoders.
- Video decoded by video decoders can be viewed on conventional TV monitors and managed via Hybrid DVR.

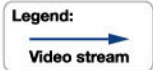
ACTi Unified Solution

Single Site

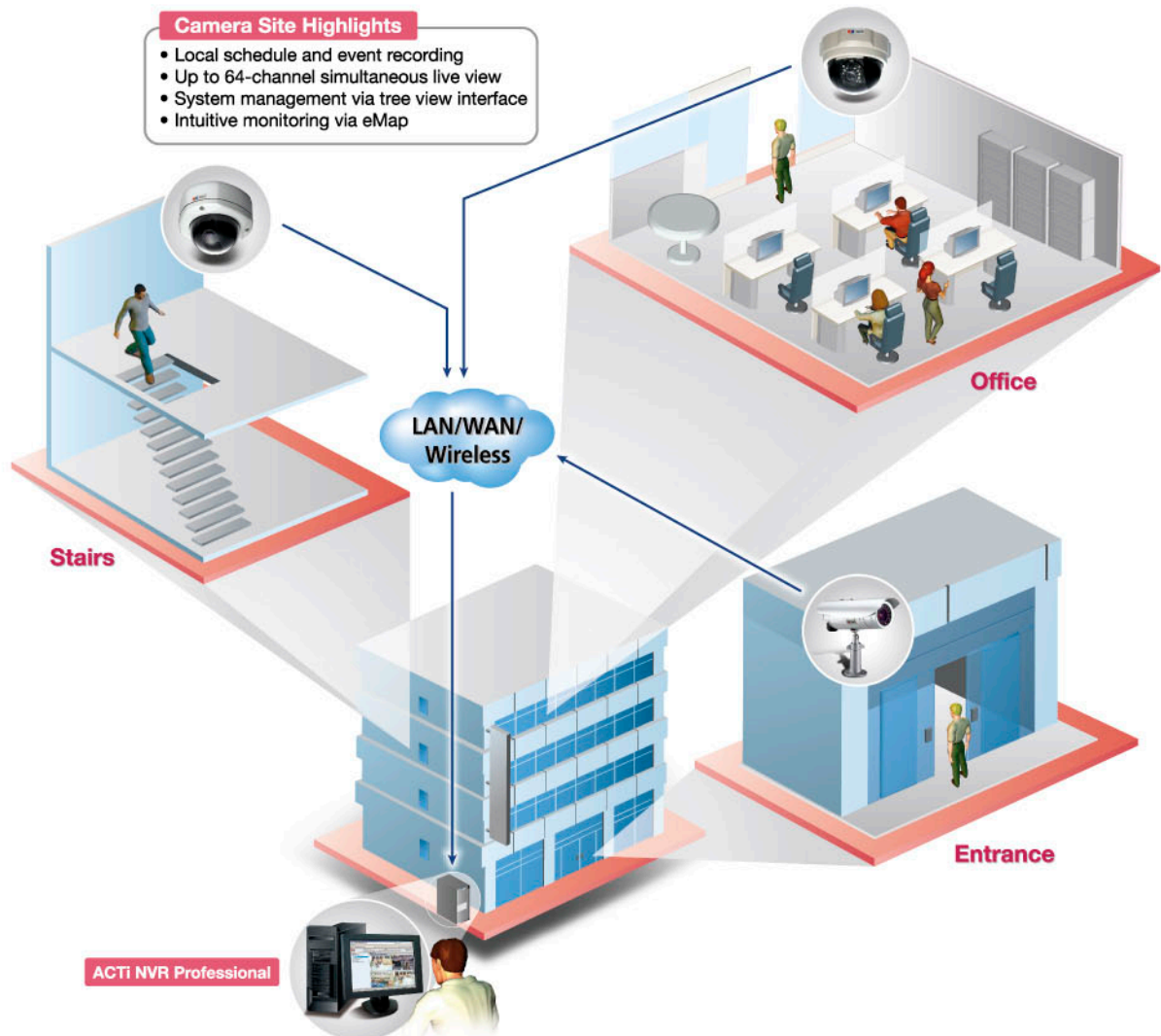
Solution Template



Site	Primary Application
Camera Site	ACTi NVR Professional <ul style="list-style-type: none"> • Live View • Recording • Playback • PTZ control • eMap

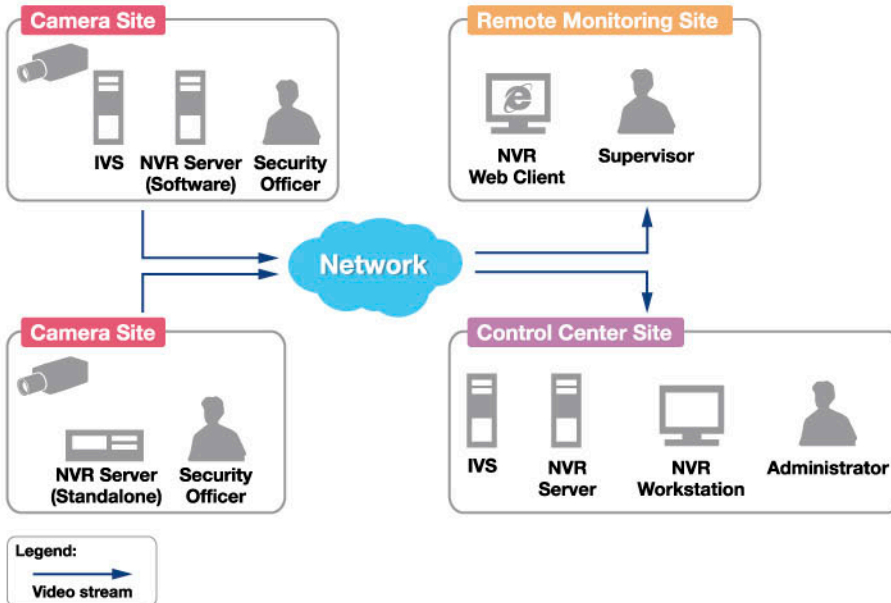


Deployment Example - Building Surveillance



Multiple Sites

Solution Template

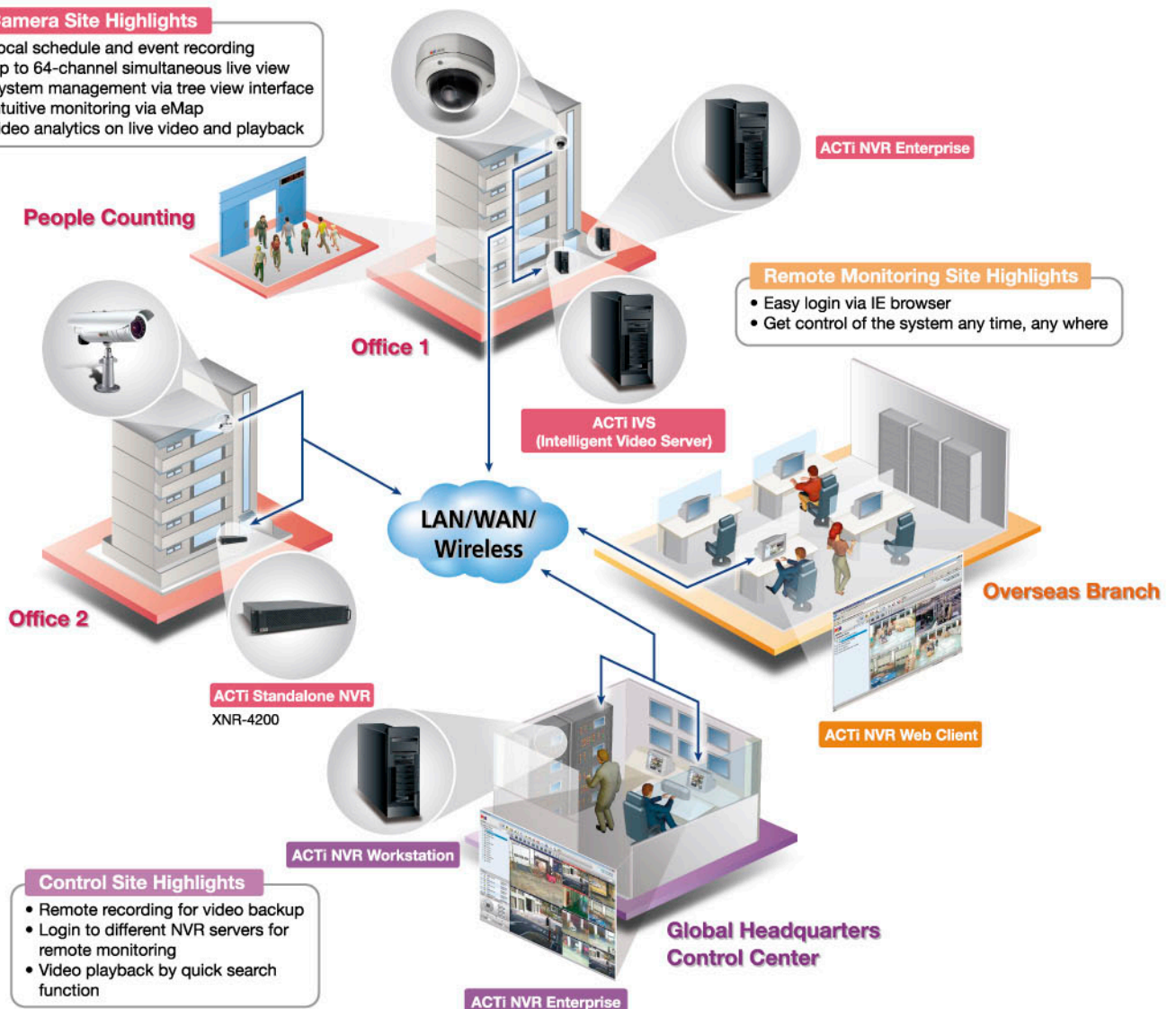


Site	Primary Application
Camera Site	ACTi NVR Enterprise
	<ul style="list-style-type: none"> • Live View • Recording • Playback • PTZ control • eMap
Remote Monitoring Site	ACTi IVS
	<ul style="list-style-type: none"> • Video analytics
Control Center Site	ACTi NVR Web Client
	<ul style="list-style-type: none"> • Live View • Playback • PTZ control
	ACTi NVR Workstation
	<ul style="list-style-type: none"> • Live View • Playback • PTZ control • eMap
	ACTi NVR Enterprise
	<ul style="list-style-type: none"> • Recording
	ACTi IVS
	<ul style="list-style-type: none"> • Video analytics

Deployment Example - International Enterprise Surveillance

Camera Site Highlights

- Local schedule and event recording
- Up to 64-channel simultaneous live view
- System management via tree view interface
- Intuitive monitoring via eMap
- Video analytics on live video and playback

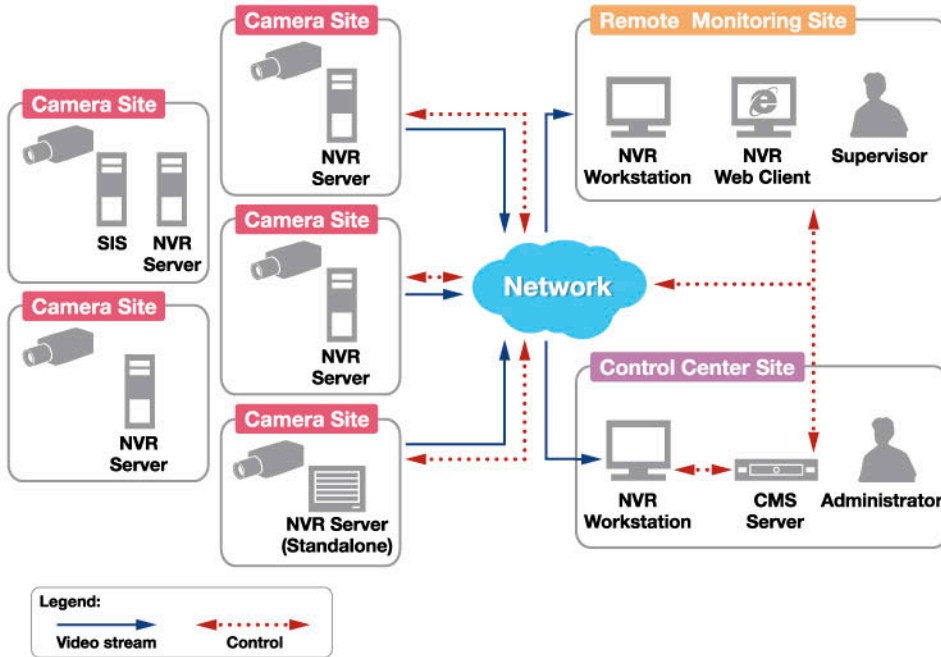


Control Site Highlights

- Remote recording for video backup
- Login to different NVR servers for remote monitoring
- Video playback by quick search function

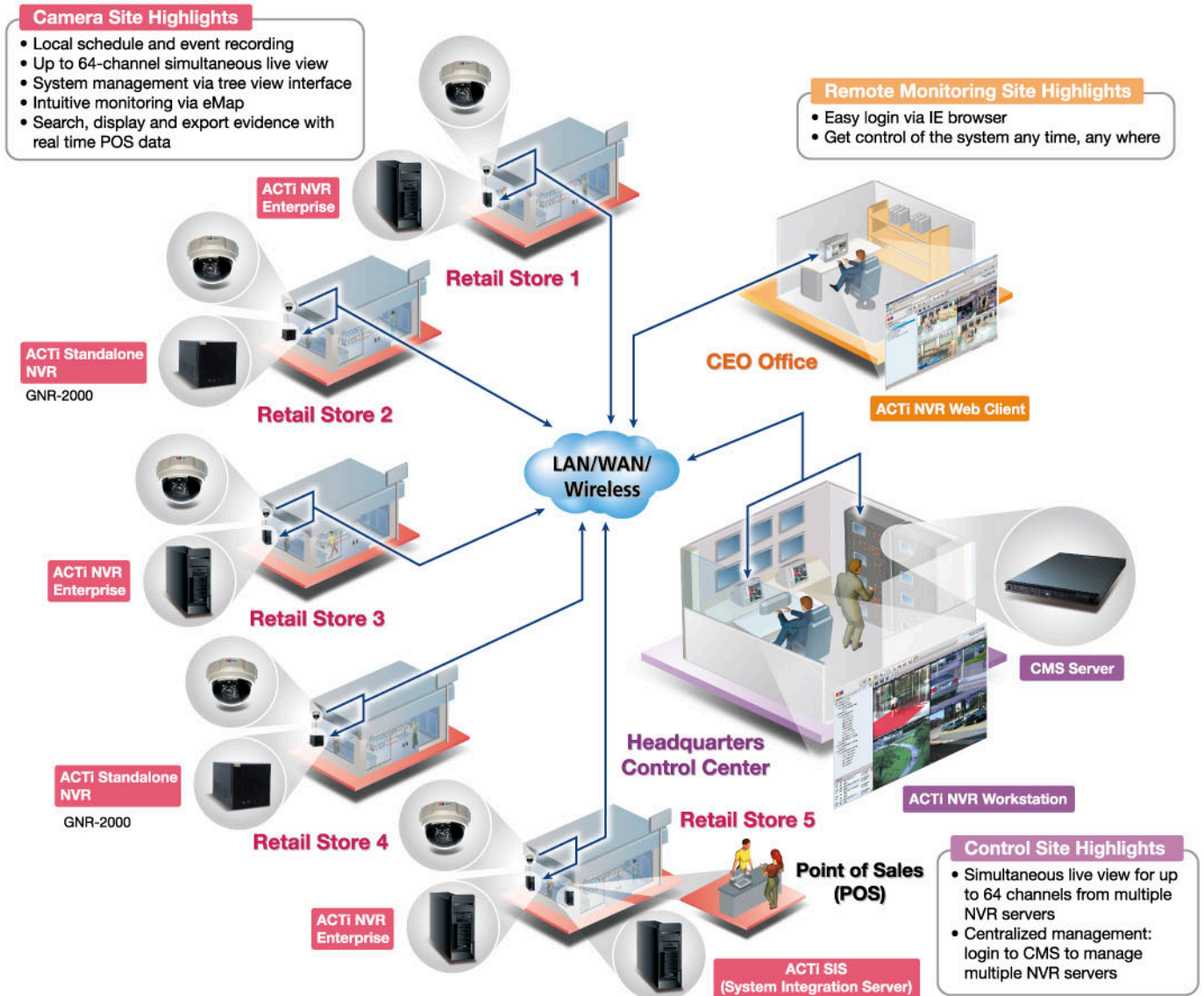
Multi Sites with CMS

Solution Template



Site	Primary Application
Camera Site	ACTi NVR Enterprise • Live View • Recording • Playback • PTZ control • eMap
	ACTi SIS • POS integration • Access control integration
Remote Monitoring Site	ACTi NVR Workstation • Live view • Playback • PTZ control • eMap Manager
	ACTi NVR Web Client • Live view • Playback • PTZ control
Control Center Site	ACTi NVR Workstation • Live view • Playback • PTZ control • eMap
	ACTi CMS • Central management

Deployment Example - Retail Stores Surveillance



Software Solution




















ACTi Application Software

			Primary Deployment			
			Camera Site	Control Center Site	Remote Site	Mobile Site
Server Application						
	Software NVR	64-channel, Live View, PTZ, Recorder, Playback, eMap	✓	✓		
	Standalone NVR	4~16/16~64-channel, Live View, PTZ, Recorder, Playback	✓			
	CMS	Manage ACTi Software/Standalone NVR		✓		
	IVS	Intelligent Video Server	✓	✓		
	SIS	System Integration Server for POS and Access Control	✓			
Client Application						
	NVR Workstation	64-channel, Live View, PTZ, Playback, eMap, Setup		✓		
	NVR Web Client	64-channel, Live View, PTZ, Playback, eMap			✓	
Management Utility						
	IP Utility	Search, manage devices, upgrade firmware, backup/restore configuration	✓			
	Snapshot Utility	Create snapshots in JPEG with re-sized resolution and send via Mail or FTP	✓	✓		
	Archive Player	Archive playing tool with playback panel and snapshot functions	✓	✓		
	Media Converter	Convert recorded archives to AVI files	✓			
	Streaming Explorer	Web tool to manage devices remotely, comes with PTZ configuration tool	✓	✓	✓	
	Mobile Explorer	Live view and PTZ functions on Microsoft Windows Mobile platform				✓
Trouble-Shooting Utility						
	Camera Doctor	IP Camera diagnostic and firmware debug tool	✓			
	AP Doctor	NVR diagnostic and application debug tool	✓	✓		
SDK						
	SDK-10000	C, ActiveX Control, URL Command, RTP/RTSP, Windows Mobile Edition	✓			
	SDK-2200	SDK and XML interfaces to ACTi NVR		✓		

Software Partners



IP Camera Offering

Camera Type	Megapixel		D1		VGA	
	H.264 MPEG-4/MJPEG	MPEG-4/MJPEG	H.264 MPEG-4/MJPEG	MPEG-4/MJPEG	H.264 MPEG-4/MJPEG	MPEG-4/MJPEG
Box	 TCM-5311 TCM-5312 TCM-5211 TCM-5212 TCM-5601 TCM-5611 TCM-5411	 ACM-5601 ACM-5611	 TCM-5801 TCM-5811	 ACM-5711 ACM-5801 ACM-5811	 TCM-5001	 ACM-5001
Bullet	 TCM-1231 TCM-1232 TCM-1511 TCM-2111	 ACM-1231 ACM-1232 ACM-1511	 TCM-1431 TCM-1432	 ACM-1431 ACM-1432	 TCM-1011	 ACM-1011
Fixed Dome	 TCM-3401 TCM-3411 TCM-3511 TCM-3911 TCM-7411 TCM-7711 TCM-7712 TCM-7811 TCM-7812	 ACM-3401 ACM-3411 ACM-3511 ACM-3701 ACM-3703 ACM-7411	 TCM-7501 TCM-7511	 ACM-3311 ACM-7501 ACM-7511	 TCM-3001 TCM-3011 TCM-7011	 ACM-3001 ACM-3011 ACM-3601 ACM-3603
PTZ / Speed Dome	 TCM-8600	 ACM-8201 ACM-8211	 TCM-6700 TCM-6710 TCM-6800 TCM-6810 TCM-6870 TCM-68710 TCM-6880 TCM-68810	 ACM-8511 CAM-6510 CAM-6610 CAM-6620 CAM-6630	--	--
Cube	 TCM-4301 TCM-4201	 ACM-4200 ACM-4201	--	--	 TCM-4000 TCM-4001 TCM-4101	 ACM-4000 ACM-4001

Video Server / Video Decoder Offering

Product Category	Channel	H.264 / MPEG-4 / MJPEG	MPEG-4 / MJPEG
Video Server	1ch	 TCD-2100 TCD-2500	 ACD-2100
	1ch w/ Quad	 TCD-2000Q	 ACD-2000Q
	4ch	 TCD-2200	 ACD-2200
	8ch	 TCD-2300	 ACD-2300
	16ch	 TCD-2400	 ACD-2400
Video Decoder	1ch	--	 ACD-3100



New Product Lineup and New Technology

Standalone NVR Product Lineup

H.264 / MPEG-4 / MJPEG

Open Platform

4 CH / 8 CH / 16 CH

16 CH / 32 CH / 48 CH / 64 CH



GNR-2000

XNR-4200

Total 480 fps @ D1	Total 128 fps @ 1.3MP	Total 1920 fps @ D1	Total 512 fps @ 1.3MP
8X Speed Fast Forward, Rewind	4 Synchronous Playback	8X Speed Fast Forward, Rewind	4 Synchronous Playback
Export AVI Files	USB Port * 2 / Gigabit Ethernet * 2	Export AVI Files	USB Port * 2 / Gigabit Ethernet * 2
3.5 SATA HDD * 4 (with RAID 0,1,5)	ACTi CMS v1.5 Supported	3.5 SATA HDD * 4 (with RAID 0,1,5)	ACTi CMS v1.5 Supported
Embedded Linux	ONVIF / PSIA Supported	Embedded Linux	ONVIF / PSIA Supported
Web Client Embedded	Multi-Language Supported	Web Client Embedded	Multi-Language Supported

Multi Megapixel IP Camera Technologies

Megapixel cameras done right

- Powerful self-designed compression chip keeps data streams small and images large.
- Radically new ISP design creates unprecedented performance by matching each brightness to its own algorithm, including the revolutionary Low Light mode.
- Precision Auto Focus mechanism that matches miniaturized sensors to cutting edge optics.

