

IVS Central Basic --

"Simple & Scalable Central Management Solution For Multi-sites Mission-critical Applications"



With Intelligent Video Detection!!

Live Video, Playback, E-Map Alert, Full Screen Monitor; multiple displays, at one place....

The IVS CMS is the central management solution designed specifically for the 4ch, 8ch or 16ch Embedded Network Video Recorder, adding the scalability for the NVR to fulfill applications ranging from small to larger businesses' environments. It also adds value to the NVR with advance functions such as multi-display management, E-Map Monitor, and motion detection, making the NVR Network Video Recorder a truly valuable surveillance solution for most applications.

Preliminary

- **Central management of 16 NVR**
- **Compatible with Major Brand Cameras**
- **Support Maximum 256 channels**
- **Support Intelligent Video Analytics**
- **Device Smart Detection**
- **Multi-screen Management**
- **Picture-in-picture E-Map Monitor**
- **Flexible Video Screen Assignment**
- **Mouse-over-video/Digital PTZ Control**
- **Support H.264**

Feature Highlights



256 Ch.

The CMS can manage a total of 16 Network Video Recorders. Each NVR is capable of connecting 16 network cameras. With the CMS software, a whopping 256 cameras can be managed from a single PC at one central location.



Multi-Monitor

The CMS provides multi-screen management allowing users to multi-task with multiple functions on different monitors.



Auto Detect

The CMS can automatically detect any new NVR that's been added onto the local area network. This allows users to add additional NVR without knowing its current IP address which helps reduce the management overhead.

Object Loss



It triggers an alert when an item is removed from its last location. Detection can be defined to alarm when an object is removed/stolen

Smart Motion Detection



One or more regions in a video can be configured as motion areas. Only motions detected in those areas trigger the alerts

Tripwire



Users can create one or more virtual lines and sets detections to be triggered when a person or a vehicle is crossing one of these lines. Prohibit or allow movement in a single direction can also be configured

Image Enhancement



Before After

It is aimed to improve the interpretability or perception of information in images for human viewers

Camera Tampering Detection



It triggers an alert when camera operation is disrupted by situations such as blocking the unit, low visibility or redirection.

The SEnergy Smart Motion Detection (SMD) detects motion area to pixel accuracy based on adaptive temporal differencing.

A surveillance-specific morphology operation is integrated to filter out noise and enhance motion area simultaneously.

SMD has been tested in general indoor/outdoor environment. It is also applicable to low light conditions or infrared images.

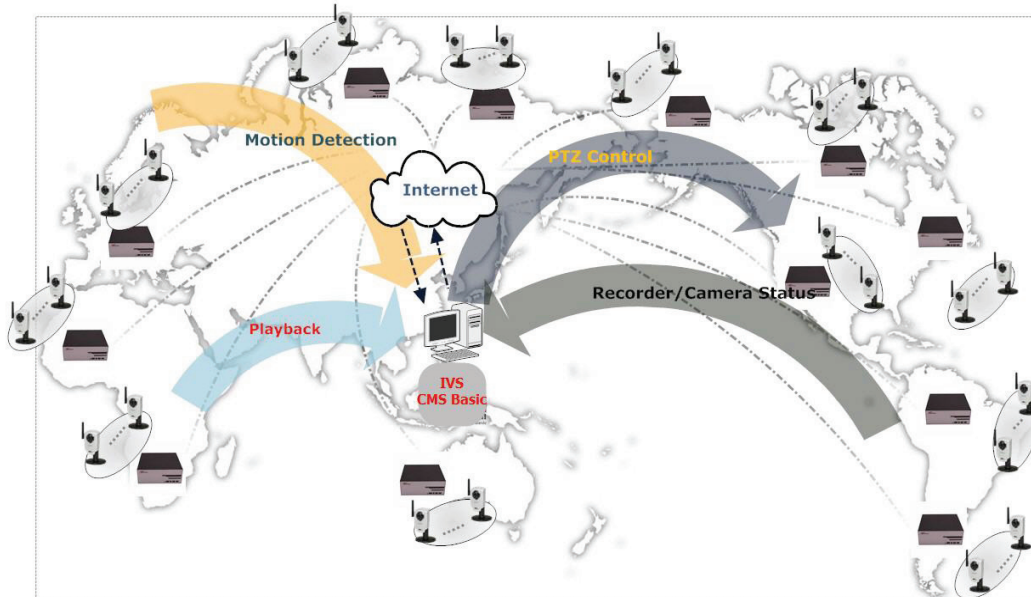
Technical Specifications

Device	
Supported Device	16 x Network Video Recorder
Max. Channels	256
Video	
Compression	MJPEG/MPEG4/H.264
Resolution	MegaPixel/FD1/CIF/QCIF
Max. Frame Rate	25/30 FD1 (Configurable)
Audio	
Streaming	Two-way
Compression	G.711/G.726
Live View	
Multi-Monitor	Up to five monitors can be automatically detected for viewing different function windows simultaneously
Display Mode	Live View/E-Map View/Event Monitor/Playback/Full Screen x 2
Split Screen	1/4/6/9/13/16
Pattern Display Mode	User self-define patterns
Full Screen	16 videos x 2
PTZ Controls	Pan/Tilt/Zoom/IRIS/Focus/Speed Control
PTZ Functions	Virtual PTZ Panel/Mouse-over-video PTZ/Auto Pan/Preset Point/Digital PTZ
Sequence Mode	Sequence All/Manually Selected cameras in 1/4/6/9 split view/Self-define patterns with configurable timer
E-Map Monitor	Dual Layer E-Map Display (main map and its sub-maps) Live videos display on map
Snapshot	Single/Continuous snapshot in JPEG format
Motion Display	Edge Paint/Matrix Highlight/ROI (Region of Interest)
Image Enhancement	Improve visibility of video under low light condition
E-Map Monitor	
Display	PIP Video Integrated on E-Map
Event Trigger	Pop-up video displayed on the map

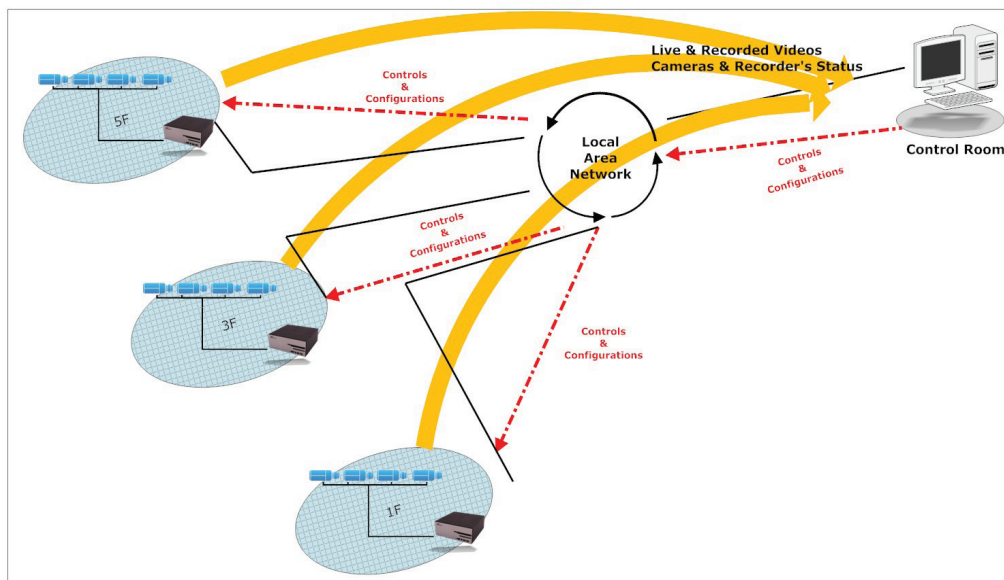
Playback	
Split Screen AVI Export	1/4 Export recorded videos to AVI files
Search Methods	Time/Date, Event (thumbnails)
Event Search	All/Time/Channel/Event Type/Event ID
Playback Controls	Play/Pause/Stop/Forward (Speed adjustable)/Reverse (Speed Adjustable)/Frame by Frame/Event By Event
Triggers & Events	
Intelligent Detection	Smart Motion Detection/NVR Digital input & output/Malicious Attack/Object Loss/Tripwire
Motion Display	Edge Paint/Matrix Highlight/ROI
Event Detection	Motion/Digital input & output/SVR NVR-System Status/Camera Status
Event Notifications	On-Screen Alert/On-screen Motion Display/Mail/FTP/Configurable Alert Sound/Record
Status	
Camera Status	Disconnected/Connected/Recording/Event (Motion or sensor)
System Info	System Time/Login Users/System Log-out/Network Bandwidth
Motion Display	ROI (Region of Interest)
Network	
Protocols	TCP/UDP/HTTP/FTP/SMT/SMTP/DHCP/DNS/ARP/ICMP/NTP/UPnP/RTP/RTSP/RTCP
Systems	
Min. Hardware Requirement	CPU: Intel Core 2 Duo or higher @ 2Ghz RAM: Minimum 2GB or above is recommended Graphic Card: Independant graphic card with DirectX9.0c or higher Network: 100 Megabit Network Interface or above
Min. Software Requirement	Windows 2000(SP4), Windows XP, Windows 2003
General	
Languages	English/Trad. Chinese/Simp. Chinese/Japanese/Spanish/Italy/German/Danish/French/Polish/Czech
Documents	CD with quick guide and user's manual

Application Diagrams

Internet:



Local Area Network:



Preliminary