

IPS 4.0

Camera Support

- Support for 200 camera models from 30 manufacturers
- Supports Megapixel cameras including live and recorded zoom
- Supports motion detection at the camera level
- Scalable to over 100 cameras per server and unlimited servers
- Multi resolution support

Live Video

- Centralized viewing of live and



- recorded images from any server
- Quickly navigate between cameras from any server using standard windows explorer tree structure
- Unlimited users can view live and recorded video simultaneously
- Digital zoom
- High resolution DirectShow live display
- Customized layouts with camera sequencing that can pull cameras from multiple servers on the same display
- Live and Recorded Audio
- Integrated multi-layered facility maps provide an overview of camera placement for quick access

- Facility map setup requires no programming; simply import jpegs or Gifs and drag and drop cameras
- High speed viewing over web interface via streaming MPEG4
- Privacy zones on live and recorded video
- Cycle cameras
- Supports an unlimited number of PTZ presets and cycling through presets
- PTZ Panning
- Axis PTZ Joystick Control
- Motion Zone labels
- Up to 30 fps per camera
- Hide all menus from users

Recorded Video

- Motion activated recording for JPEG and MPEG4 cameras with sensitivity and privacy zones
- Record always, on motion, on a schedule or on a trigger basis
- Motion activated recording supports an unlimited number of Motion Zones that each have unique sensitivity settings.
- Watermark recorded video to identify tampering
- Intuitive play, pause, and rewind functionality
- Frame by frame or variable play back speeds



- Motion Event logs allow quick review of video associated with motion or alarm events
- Timeline search of motion events
- Synchronized playback of multiple cameras
- Create clips and burn to CD's
- Consistent date/timestamp on all recorded images
- Option to see last 30 seconds of recording via mouse select
- Larger buffer playback for easy scrolling after download
- Support for 4 compression options including Microsoft WMV and MPEG4.
- Recorded frame rate changes can be triggered by motion or alarm events
- Automatically manages files and

- disk space to ensure continuous recording
- AVI Format is compatible with all major media players
- Customizable by camera pre and post motion buffers

Audio

- Synchronized audio with playback
- Buffer audio in low speed environments
- Review recorded audio from any server

Automation Features

- Easy to use automation tools allow the system to take actions after an event.
- Rules manager for setting up

trigger events and resulting actions

- o Triggers include any combination of alarm inputs, motion detection, schedules, Software Development Kit (SDK), TCP/IP inputs
- o Resulting actions can include change camera settings, cycle spot monitor, change frame rates, email custom message, email AVI clip, move PTZ cameras to presets, record with audio, switch camera.
- Email notifications
 - o With attached video images on motion and alarm activation
 - o On operational interruption due to camera or server malfunction
 - o On recording storage exceeded
 - o On systems errors
 - o On disabled recording
- Automatic upgrade of Monitor Station upon startup
- Dynamic add and removing of cameras to the servers

Multi Location support

- View live and recorded video from multiple locations in a single display
- Monitor Station provides centralized configuration for all servers and cameras
- Customizable layouts can include cameras from multiple locations
- Multi level facility maps make it easy to pick locations and facilities using a graphical representation
- No extra licensing cost per multiple viewers
- Unlimited servers and cameras
- Health Monitor ensures all servers and cameras are operational



- Detailed information about each camera including phone numbers to call in case of an event

Storage

- Supports external storage devices including servers, NAS, and SAN
- Recordings from each camera can be stored on different devices
- By default will use all available disk space and overwrite the oldest files
- Specify maximum days to store by camera
- Specify maximum file size for each camera
- Archive manager recompresses video, moves, and trims video, doubling storage capacity
- Delete files after specified number of days

Security

- Remove all Windows command including the Start button
- Runs as a Windows Service
- Integrates with Active Directory
- Multi level security including server level, camera level and PTZ control
- 5 user levels
- PTZ control user priority
- Support for SSL
- Privacy Zones
- Support for groups of users

- Password protected shutdown
- Password protected user settings
- Comprehensive log of all changes to system
- Create clips with Watermarks
- Ability to block IP addresses from connecting remotely or to only accept certain IP addresses

Technology

- Developed in open technologies including .Net. Support for WMV recording formats
- Application runs as a Windows Service
- High performance server based motion detection
- Stores recordings to multiple data paths
- Option to save all settings in XML files
- Monitor Station recorded video playback only needs a single port open
- SQL Based
 - o Settings and event log stored in the SQL database
 - o Microsoft SQL Server is automatically installed during setup included with the product
 - o Multiple servers can share a single database
 - o The SQL Server can be anywhere on the network
 - o Backup database can be setup



- o on a remote server
- o Easy integration with self explanatory tables and field names
- IIS Load Balancing
- Support for dynamic DNS
- Easy integration with access control and other applications
- Built for Windows XP and 2003 Server
- Full Software Development Kit (SDK)

Accessory Products

- Health Monitor – Comprehensive remote monitoring of system status. Each server, on a customizable interval, can send an outbound message to the Health Monitor with operational statistics. The communication is only outbound from the server and will work behind firewalls without opening ports.
 - o Monitoring options include System status, camera status, recording status, no video has been detected, low disk space
- o Notifications include;
 - o Customizable levels of warnings: warnings and error messages depend on the severity of the condition
 - o Quick dashboard view of the status of all servers and cameras
 - o Email notification on system failure
- o System runs as a Windows Service
- o Access via the server or via the internet with a browser