



Recorded

- Intuitive access to recorded video from any camera in system regardless of location
- Frame-by-Frame or variable playback speeds up to 16X
- View single camera or drag and drop up to 16 cameras for Synchronized Playback
- View groups of cameras via drag and drop
- Slider bar provides quick access to events
- Digital zoom on all recorded video
- Save JPEG or print snapshots
- Synchronized video and audio
- Instant replay of last 30 seconds of recorded video
- Create a clip with use of guides marking time interval
- Save clip to local client or server
- Continuous, motion activated, scheduled, event or trigger based recording
- Record up to 30 FPS or as little as 1 image per second, hour or day
- Record always at 1 FPS and higher frame rate on motion or alarm
- Pre- and Post-motion recording
- Support for camera and server side motion detection
- Create sensitivity zones in Windows client or camera configuration
- Motion Event logs provide quick review of video associated with motion or alarm events
- View recorded video from archived servers
- Graphical timeline highlights motion events
- Smart Search
- Progressive download speeds for slow-speed connection
- Automatically manages files and disk space
- Specify maximum retention by camera
- Panoramic/360 De-warped support
- View full aspect ratio of 16:9 or 4:3
- Predefined layouts stored in the database can pull cameras from multiple servers, restricted by security level
- Camera touring or Layout sequencing
- View full aspect ratio of 16:9 or 4:3
- 180° stitched layouts
- Single, Quad and Panorama views for 360 cameras
- Three PTZ control options including on-screen overlay commands, left navigation control and pop-up menu options
- Cycle PTZ presets, pausing for specified interval
- PTZ control with USB Joysticks
- Option to lock down non-admin users from PTZ controls
- PTZ Prioritization – Users can be ranked to determine who has PTZ operations at a specific time
- Search box allows quick access to any camera or server - search by partial name or IP address
- Save JPEG or print snapshots
- Push live video pop-up windows to other logged in users
- 2Way audio allows operators to interact with video
- Create Covert cameras by removing from navigation
- Pause individual camera for instant investigation
- High Performance option renders video in real time
- Run in Full Screen mode with limited menus
- Connect up to four monitors per PC
- Video Wall app supports up to 64 monitors
- Operators can push video to a Video Wall, cycle layouts or view alarms
- Motion alerts displayed for each camera
- Option to play sound on motion alarm
- Launch clients in full screen mode to predefined layouts
- Panoramic/360 De-warped support
- Public View App displays live images directly from camera without connecting to a server
- Lane Viewer App displays live images along with card holder picture and information to verify identity

Video Export

- Save JPEG or print snapshots
- Clips include visible watermark, server based date/time stamp and camera name
- Option to include MD5 checksum watermark in each clip, use Standalone Player to validate
- Recorded video is saved in cameras native or MJPEG compression in AVI file
- Exported clips include audio
- Synchronized video export of up to 9 video streams in single AVI file
- Standalone Player with Watermark Validation – Review recorded video on any PC while viewing thumbnails and using a scroll bar for precise investigation - includes option to validate a watermark

Live Video

- Full-featured Windows, Web, and Mobile Clients
- iPhone and iPad app available for free on iTunes
- Mobile App supports live and recorded video from any camera, control of PTZs and email images
- Web Client supports IE, Safari, FireFox, Opera and Chrome - Active X is optional
- Macintosh support via Web Client
- Support for other smartphone devices including Blackberry and Windows Phones
- Client applications require little or no end user training
- View live video from any camera across multiple servers
- Quickly navigate between cameras from any server using standard Windows Explorer tree structure
- Unlimited users can view live video
- Digital Zoom on any image with mouse click
- Picture-in-Picture of zoomed area
- Create customized layouts and layout groups
- Drag cameras from left navigation tree into layout

Facility Maps

- Multi-level mapping provides quick access to cameras
- Mouse over Camera icons for live video pop-up
- Zoom into maps or navigate between multiple layers
- Quick access to recorded video from facility maps
- Launch specified facility map on startup
- View maps from Windows or Web Clients
- Mouse over Layout icons to switch live displays to groups of cameras in the area
- Easy setup requires JPEG, BMP or GIF images and drag and drop camera placement of maps, cameras, layouts or doors

Notifications & Automation

- Pop-up live windows of alarmed cameras
- Red outline in camera layout on alarm conditions
- Play audio file on alarm to alert operator
- Pop-up window with detailed instructions for operator
- Alarm actions include changing displays, execute DIO commands, display instant replay, push image to video wall, cycle spot monitor, move PTZ to presets, change recording options and record with audio
- Email or send text message of JPEG or AVI clip
- Alerts can be directed to specific users or groups
- Powerful Rules Wizard allows easy configuration of an unlimited number of automation tasks that allow the system to take actions after an event
- Motion alerts displayed for each camera
- Option to play a sound on motion alarm
- Send JPEG snapshots on an interval or on motion

- Alter operators of camera side Analytic events
- Using Analytic Tripwire, count people entering and exiting facility to keep running total and alert if threshold exceeded

Enterprise Functionality

- Support for unlimited cameras and recording servers
- Distributed login to any server prevents single point of failure
- Support for both centralized and distributed architectures
- Use existing SQL Server infrastructures or included SQL Express
- Centralized Management – all camera configurations for all servers are done from one easy to use setup screen
- Authenticate users with a Video Insight users database or with integration of users and groups from Active Directory, LDAP or Novell eDirectory
- Assign individual camera permissions to users or groups
- All system and user settings are stored in SQL database
- Centralized storage of user layouts and centrally managed
- Automatic Failover
- Health Monitor – comprehensive monitoring and alerting of system status
- Audit Trail of all user logins and configuration changes stored in a SQL database
- Automatic upgrade of client applications
- Automatic system backup
- Complete system performance statistics including - Storage, Bandwidth, Resolution, Format and Frame Rate
- Users only see assigned cameras regardless of number of servers
- Export camera and server information in Excel format
- Camera Maintenance logging and tracking
- .Net-based Software Development Kit

Security

- Enterprise-wide user management
- Multi-level security including restriction of setup, management, live and recorded viewing, PTZ operation, access to layouts, facility maps, rules and clip creation
- Authenticate users with a Video Insight users database or with integration of users and groups from Active Directory, LDAP or Novell eDirectory
- Assign individual camera permissions to users or groups
- Comprehensive log of all changes to system
- Option to restrict users from logging in from multiple locations
- Limit users to a single login per username
- Option for inserting MD5 checksum into all recorded video files to detect any tampering

Camera Support

- Deep integration for *1,800 camera models from 80 manufacturers
*Complete list available at www.video-insight.com
- Universal camera driver provides support for almost all other cameras via ONVIF, RTSP or HTTP
- Advanced camera features from Axis, Panasonic, IQeye, Sony, Sentry 360, Scallop and Immervision
- Single, Quad and Panorama views for 360 cameras
- Resolutions up to 20 Megapixel
- MJPEG, MPEG4, H.264 Compressions
- Multicasting support
- Multistreaming
- Camera or server side motion detection
- Support sensitivity and privacy zones
- Camera auto discovery
- Centralized camera management
- Audio inputs and outputs
- Combine audio and video from two independent sources
- Send live video to Axis Decoders
- Trigger Digital Inputs and Outputs

Technology

- Pure 64-bit Server and Client
- Takes advantage of all available memory
- Optimized for centralization
- Robust scalable design
- Developed in open technologies including Microsoft .Net and SQL Server
- Virtualization support for VMware, Hyper-V and Xen Server
- Automated failover support
- Access live and recorded video or control the server with .NET SDK
- Easy integration with 3rd party application via the well defined SQL tables
- Server Software runs as a Windows Service
- Clients can connect to a single IP address to access the entire system
- Servers are connected to cameras and clients are connected to the servers - Clients do not connect directly to cameras
- Email support for SSL and alternate ports, supporting Gmail and Hotmail
- SSL certificates for secure web client transmissions
- Execute programs or batch files on triggered event

Storage

- Flexible high-speed storage design with no limits
- Support for internal and external storage devices including NAS, SAN and iSCSI
- Support for Pivot3 Cloudbank failover architecture and Dell EqualLogic iSCSI
- Integrator support for Veracity Coldstore
- Intransa Virtual and iSCSI solutions
- Long Term Storage for recorded video file management
- Move recorded video from single or multiple cameras or servers on a schedule basis
- Option to restrict users from logging in from multiple locations

Performance

- 250 two megapixel cameras per operating system
- Deep camera integration technology and storage architecture allow extreme server performance
- Total camera bandwidth of 600 Mbits/sec
- Unrestricted number of clients
- Load balancing
- High Performance live display mode can show up to 36 megapixel images at 30 FPS

Licensing

- Simple per camera licensing available in single camera increments
- No base or server fees
- Individual camera MAC address registration is not required
- No extra licensing costs for client applications
- Virtual cameras require only a single license
- Multi-stream connections only require one license
- Arecont 180° and 360° cameras require only a single license

Support Options

- Lifetime technical support Monday through Saturday
- Unlimited software updates
- Remote control applications for unattended access

Access Control Integration

- | | |
|---------|--------------|
| • Lenel | • Blackboard |
| • IMRON | • Paxton |
| • S2 | • AMAG |
| • DSX | • HID |
| • RS2 | |