



InterVision Video Management Solutions

Intervid, Inc.
5111 Pegasus Court, Suite C
Frederick, MD 21704

(800) 337-8066
www.intervid.com
info@intervid.com



Sophisticated Security and Surveillance Systems



InterVision Video Management Solutions

Intervid's feature-rich InterVision IP video management software suite provides an extensive range of sophisticated surveillance options, tools and functionality to satisfy all security and infrastructure management requirements across a wide variety of market sectors. These sectors include retail, banking, mining, education campuses, commercial estates, manufacturing, healthcare and transport, among many others.

The open architecture enables IP cameras, recording and viewing servers, as well as third-party systems, suited to a particular application to be integrated seamlessly, thereby providing clients with the best solutions and maximum return on investment.

The suite of three software variants and several licensed add-ons provides the flexibility to tailor endless customized solutions. The software's

backward compatibility facilitates the integration of a hybrid of analogue and IP technology from cameras to servers that makes upgrading easy and cost-effective thereby providing clients with future peace of mind.

Whether the surveillance requirement is for a single site, a chain of small retail stores, a complex organization with outlets across borders and continents or mining operations with thousands of cameras, the InterVision range of software has a solution for you.

Our focus on "ease of use" has enabled us to produce a user-friendly interface that will facilitate efficient, accurate installation of your system.

This software can be run on both Windows and Linux operating systems.



Sophisticated Security and Surveillance Systems



Integrated security and business solutions

IP camera support

InterVision supports most popular brands of IP cameras using both ONVIF and proprietary protocols via a true UPnP interface. Integration includes multiple video streams, audio, input/output control, and on-camera (Edge) video analytics as well as 360- and 180- degree "fisheye" camera de-warping algorithms. A complete list of integrated cameras can be obtained from our website, www.intervid.com.

Multi-server site management

The InterVision Enterprise software provides a true site-based management infrastructure, with multiple recording and viewing servers, cameras and storage all being managed from a centralized location. The easy-to-use graphical user interface provides the operator with seamless access to cameras and resources anywhere on or off site.

Off-site and multi-site monitoring

The InterVision site management software provides authentic remote client system management. This includes performing all system functions from setup, to viewing, reviewing and system management from an on- or off-site location or from anywhere across the globe. We provide many compression techniques to facilitate efficient streaming of video across limited bandwidth infrastructure.

Access rights management

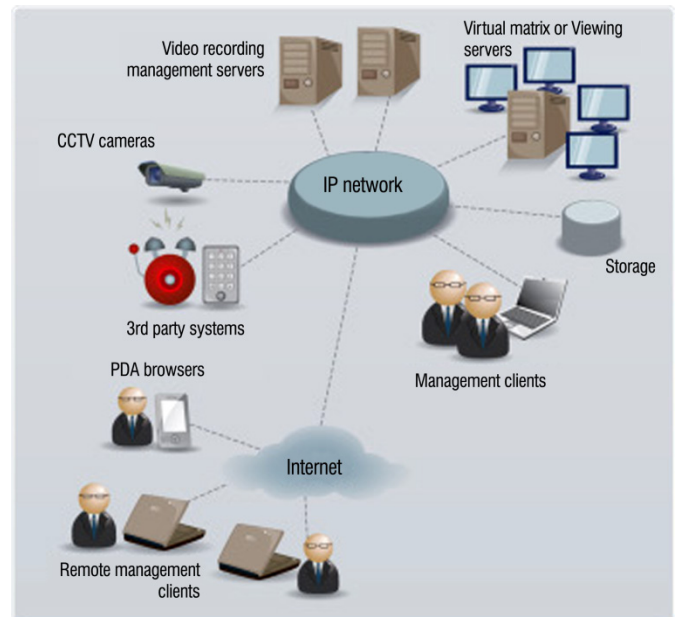
Large sites often require multiple control rooms and tiers of management. Therefore, for effective site management it is important to control the access levels of the various users. InterVision software offers multiple levels of users each with a unique username and password. Administrators can manage users across the site or across multiple sites from a central location.

Storage solutions

InterVision provides flexible storage solutions that can be tailored to suit our clients' requirements. Multiple databases situated on recording servers or at network addressed storage (NAS) areas enable clients to maximize storage effectiveness.

Third-party systems integration

Third-party systems such as alarm and fire panels, access control, point-of-sale, building and plant management systems and perimeter monitoring equipment can be integrated with the software to provide an extremely powerful single-user interface with video verification of events that occur on these systems. Rules-based actions can then be initiated from the event data.





Sophisticated Security and Surveillance Systems



Maximize your return on investment

Event and action management

The InterVision Enterprise software offers intelligent configuration of events and the actions that can be initiated in response to these events.

Events can be triggered from inputs, video analytics or integrated third-party system triggers. Rules-based configuration enables automatic responses associated with these specific events to be performed, including switching cameras to monitors, sending emails and SMS, controlling relay outputs, sending alarms to a control room, playing audio clips and controlling a virtual matrix.

Alarm management

Large installations may contain hundreds of cameras which are impossible to monitor effectively on a continuous basis.

In this scenario, a “black-screen” monitoring approach is used, in which the system generates an alarm that guides the user to the camera that should be monitored.

The InterVision Alarm Manager software provides this interface with complete alarm logs and the ability to “escalate” alarms to supervisors. A comprehensive reporting facility is included in the software.

Similarly, when monitoring multiple sites from a central location, the alarm manager receives alarms from the various sites and provides an automatic connection to the sites initiating the alarm. Alarm video previews with pre- and post-event clips can be automatically downloaded and archived at the control room.

Observer

Observer is a feature that enables a selected viewing monitor to be configured as a “virtual camera” so that all the activity viewed on this monitor is recorded. Advantages include easy archiving and access to all that an operator has viewed during an incident without having to archive or access multiple cameras’ footage.

Video analytics

InterVision provides its own analytics suite as well as the facility to integrate on-camera (Edge) analytics. Algorithms provided by InterVid include a multi-zone “SMART” learning motion detection algorithm, abandoned or removed object detection, loitering, speed, direction, line crossing, queue length analysis and object counting. Our user-friendly interface allows you to easily configure the algorithms, using both live and recorded video footage.

Health monitoring

The uptime of the system is paramount. The Health Manager provides real-time analysis of the system and can be configured to send alarms to selected recipients if problems are detected. The system can also be configured to send status reports to a client-selected email address with a full system overview on cameras, hard drives, environment, communication, abnormal event numbers, recording times, recording setup, hardware configuration, software versions, etc.

Setup wizards

To make setup easier and reduce the probability of error, InterVid has introduced new setup wizards. These wizards logically guide clients through the setup process for cameras, databases, recording, analytics, events and event actions.

Upgradable Architecture

The architecture of the InterVision software provides clients with the flexibility to upgrade and expand their system or add features whenever necessary. So, whether the camera population needs to expand, the recording servers need to increase or more features are required, the InterVision solution is easily upgradable to meet the new demands.



Sophisticated Security and Surveillance Systems

Robust architecture, proven track record

Mobile

Our mobile device applications enable you to remotely view cameras from your mobile device. Mobile enables you to view up to four cameras simultaneously, review recorded footage from selected cameras and control PTZ cameras from the user interface. We also perform automatic scaling-of-view resolution to suit the bandwidth available to your phone. Mobile easily enables you to connect to multiple sites wherever you may be in the world.

Video Wall

The Video Wall facility in InterVision provides intelligent management of the video that is displayed on multiple monitors. This provides the ability to: manage and perform camera and layout sequences; automatically switch cameras to monitors (or panels within monitors) upon a specified event; automatically or manually control monitor layouts via an interactive mimic panel; and review cameras on the video wall. With InterVision your control room environment can be tailored to suit your needs.

Camera Parameter Cloning (CPC)

Our CPC feature makes it easy to apply camera settings across multiple cameras. Settings like multiple video streams, resolutions, frame rates, bitrates and others are easily copied and pasted from one reference camera to as many of your sites' cameras as you wish, thereby reducing site setup times significantly.

Diagnostics

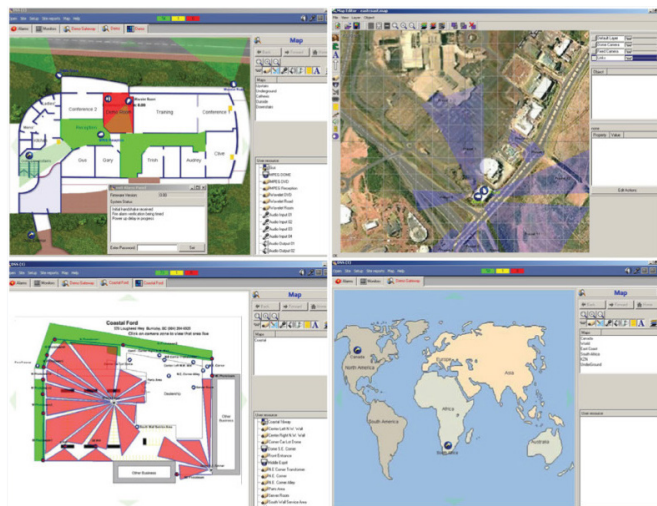
InterVision has an extremely powerful diagnostics suite. Apart from our already powerful "health monitoring", we provide tools to assist the installers to analyze the whole system environment, both in real-time and historically. Monitoring such parameters as network camera video streaming performance, recording bitrates, live viewing statistics and network throughput enables our partners to easily trouble shoot problems on site. This provides real intelligence on the technical integrity of the solution.

Failover

InterVision provides complete redundancy by way of its elegant failover feature. This ensures that if any recording and video management server fails on a site, a "failover server" will automatically perform the tasks of the failed server. To add to this, when the failed server is replaced, all configuration and recorded footage will be automatically ported back to the replacement server. This ensures that your site runs seamlessly through the whole process.

Map interface

The Maps feature multi-layer hierarchical interactive interfaces that provide representation and control of a site and its resources from cameras, input/output devices and access control doors to alarm and fire panel points, and more, on a graphical interface. The map provides the ability to represent and control preset PTZ dome positions from the graphic, drag and drop cameras from the map to selected monitors and control selected integrated third-party systems.





Sophisticated Security and Surveillance Systems



Standard software for single servers

The InterVision Standard software has the flexibility to provide sophisticated surveillance for a range of needs, be it for individual single server sites or a multi-site enterprise.

With a maximum of 36 cameras in a single server environment, the InterVision Standard software package is ideal whether the client is a small business with a single server or a larger enterprise with multiple outlets that requires centralized site management.

Advanced software for sophisticated surveillance solutions

The InterVision Advanced software is an integrated surveillance solution providing comprehensive management for complex installations.

This software's sophisticated user interface and integration capability satisfies all the needs of a wide variety of market sectors, including retail, education campuses, residential and commercial estates, manufacturing, healthcare, transport and logistics.



Enterprise software for large and enterprise surveillance solutions

InterVision Enterprise software provides an integrated surveillance solution of unlimited functionality and scale for large sites or multi-site population.

This top-of-the-range feature-rich software is ideally suited to the mining environment, major industrial sites, airports, city surveillance and many other situations that require very large camera populations with complete multi-tier management control.



InterVision Suite Comparison

✓ Feature Included □ Available with license

Features	STANDARD	ADVANCED	ENTERPRISE
Upgradable (to higher package or later version)	✓	✓	✓
Site Cameras			
Max camera per site	36	150	Unlimited
Max recording servers	1	Unlimited	Unlimited
Max number cams/server	36	64	64
Network Video			
MJPEG support	✓	✓	✓
H.264 support	✓	✓	✓
ONVIF support	✓	✓	✓
Multiple video streaming (per camera)	✓	✓	✓
Multicast Support	✓	✓	✓
Client Connections			
Simultaneous connections (includes local client)	5 standard, 7 max	7 standard, 10 max	Unlimited
Viewing client	✓	✓	✓
Setup client	✓	✓	✓
Mobile client support	✓	✓	✓
API support	✓	✓	✓
Audio			
Audio recording	✓	✓	✓
Audio bi-directional	✓	✓	✓
Video Motion Detection			
Basic VMD	✓	✓	✓
SMART Motion Detection	□	✓	✓
Video Analytics add-ons	□	□	□
Storage			
Local storage (on recording server)	✓	✓	✓
NAS storage support	✓	✓	✓
Event Triggers			
Input event triggers	✓	✓	✓
VMD event trigger (local VMD)	✓	✓	✓
Camera VMD event trigger (edge VMD)	✓	✓	✓
Third-party system event triggers	□	□	□
Technical alarm triggers	✓	✓	✓
Event Actions			
Record pre-and post-events	✓	✓	✓
Record sync audio	✓	✓	✓
I/O output control	✓	✓	✓
Send SMS	✗	✓	✓
Send email	✗	✓	✓
Send alarm/event to Alarm Management Gateway	✓	✓	✓
Virtual Matrix Control	✗	✓	✓
Play audio clip	✗	✓	✓
PTZ – move to preset location on event trigger	✓	✓	✓
Send technical alarms to Alarm Gateway	✓	✓	✓
Integration			
Integration with third-party systems interactive and metadatabase	□	□	□
API integration	✓	✓	✓
Reporting			
System health reports	✓	✓	✓
Customizable management reports	✗	✓	✓
Alarm Gateway reports	✓	□	□
Video Wall			
Virtual matrix monitors	Unlimited	Unlimited	Unlimited
Number of simultaneous video streams	Unlimited	Unlimited	Unlimited
Playback of video on matrix monitors	□	□	□
Mimic Panel Matrix control	□	□	□
Camera and layout tours	□	□	□
Automatic camera and layout switching on events	□	□	□
Observer (monitor recording)			
Observer (monitor recording)	□	□	□
User Management			
Access rights control	✓	✓	✓
User logs	✓	✓	✓
Alarm Gateway Integration			
Technical alarms	✓	✓	✓
Event alarms	✓	✓	✓
Alarm escalation and tracking	✓	✓	✓
Alarm Gateway reports	✓	✓	✓
Map Support			
Site map support (license to allow any viewing user to use maps)	□	□	□
Client map support (maps on the remote viewing client)	□	□	□
Failover			
Redundant failover server/s support	□	□	□



Intervid, Inc.
5111 Pegasus Court, Suite C
Frederick, MD 21704

(800) 337-8066
www.intervid.com
info@intervid.com