

IPS VideoManager V13.0

System Description

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Document Revision: 14/03/22 | R01

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Contents

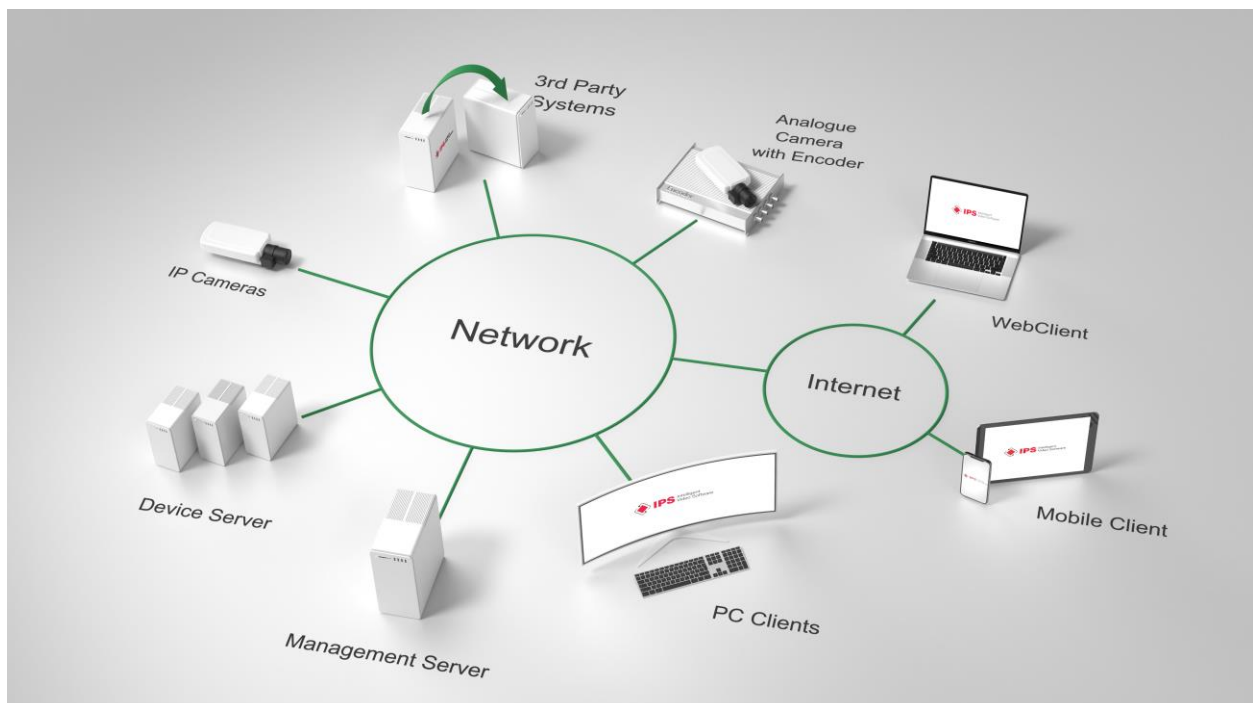
System – What is IPS VideoManager?	4
Software – How does IPS VideoManager work?	5
Licences – How is IPS VideoManager licensed?	14
Advantages – Why IPS VideoManager offers clear competitive advantages?	16
Portfolio – What solutions are currently available with IPS VideoManager?.....	17
Additional Documents	17

IPS VideoManager System Description

IPS VideoManager is an IP-based, unlimited scalable platform for sophisticated video surveillance applications. It offers dedicated functionalities for basic Network Video Recorders (NVR), advanced Network Video Recorders Pro (NVR Pro), comprehensive Video Management Systems (VMS), 3D georeferencing Video Management Systems (3D VMS) and overall Multi Site Management (MSM). The innovative design of IPS VideoManager combines reliable and available solutions with simple and secure system operation. Additionally, a broad range of video analytics and services is available.

System – What is IPS VideoManager?

IPS VideoManager is an intelligent video management software for latest IP video surveillance systems used in a wide variety of applications. The software enables the reliable monitoring, control and management of all surveillance cameras, intuitive operation with a variety of user interfaces, and easy integration of third-party systems.



The main features of IPS VideoManager are:

Open platform

- Hardware-independent solution for installation and operation on standard IT devices
- Modules available as 32 bit and 64 bit versions
- Support of IP cameras and analogue cameras with encoders from various manufacturers
- Interfaces to third-party systems such as security and access control systems, ANPR (automatic number plate recognition) systems, I/O devices, etc.

Intuitive operation

- Uniform operating concept for PC, Web and Mobile Clients
- Multilingual user interfaces
- Extra operating convenience with Site Plans, TimeMachine and WallControl

Intelligent functions

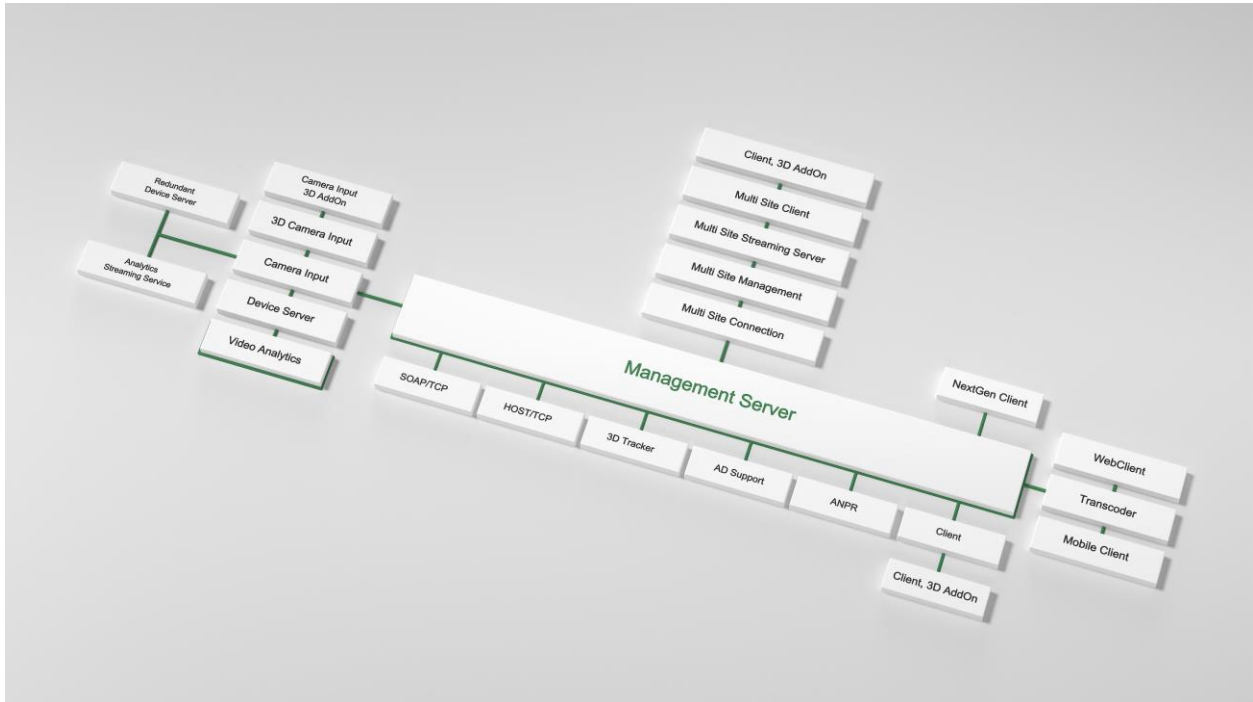
- Efficient searching for recordings with Smart Search
- Real-time information with IPS VideoAnalytics on servers and cameras
- Automated surveillance with innovative 3D Video Technology

Unlimited scalability

- From small local systems to large networked multi site systems
- Active Directory support, failover, redundancy and performance monitoring
- Seamless extensions and regular updates

Software – How does IPS VideoManager work?

IPS VideoManager has a modular software architecture, which allows it to be flexibly adapted to specific individual requirements. Its powerful client/server concept allows individual tasks to be distributed amongst several computers, so that the necessary computing power can be assured optimally in both local and networked video surveillance systems.



IPS VideoManager comprises the following software modules and functions:

Management Server

The module “Management Server” forms the core of a video surveillance system and manages all connected devices and software parts. It controls, administrates, coordinates and monitors all connected software modules and interfaces.

Features:

- User administration
- User group administration
- Password protection (four-eye principle)
- Configuration administration
- License administration
- Alarm administration
- Alarm prioritisation
- Alarm notification over Email (optionally encrypted), SMS, TCP
- SQL database with automatic backup
- Support of cameras and devices of different manufacturers (specific / generic)
- Support of ONVIF compatible cameras and devices
- Centrally controlled backup of video recordings
- Comprehensive IT security functions with end-to-end encryption from the camera to the Client, protection against DoS (denial of service) attacks, configuration file encryption, protection of installation files by signature, password policy enforcement, encryption of interfaces to 3rd party systems: SOAP TCP interface, SOAP Web Gateway interface

- Support for DNS (domain name system) and IPv6
- Compliance with DIN EN 62676
- File interface for execution of commands sent from a foreign system
- UDP interface
- TCP interface
- HTTP interface
- I/O interface
- Support for automatic number plate recognition (ANPR) via SOAP TCP interface, Host TCP interface, or Hikvision cameras
- Connection of access control via SOAP interface
- Connection of access control via ONVIF Profile C
- SNMP support (Agent and Manager)
- File based logging of operator actions and alarms
- NetTerm for troubleshooting support (local / remote)
- ServiceManager for configuration administration support
- Analyst for database reporting support (on- / offline)
- AutoUpdater for central distribution and installation of updates with the option to roll back
- Option for system wide time synchronisation via NTP
- Languages: German, English, French, Italian, Spanish, Russian
- Translation tool for additional languages

Client

The module „Client“ is the comprehensive display and operating station of the video surveillance system. It offers the possibility to configure and administrate the system from a central point. At the same time, it allows the simultaneous display, playback and alarm management of up to 16 video streams per screen. In addition, it facilitates the control of PTZ cameras, I/O devices, doors, and access points.

Features:

- Camera administration
- Camera display with properties and status
- User-defined camera groups, camera sequences and views
- Control of PTZ cameras with mouse, software joystick, joystick, shuttle pro, or keyboard
- Automatic patrols with fix cameras and PTZ cameras with predefined positions
- Automatic composition of cameras with activity in a patrol
- Digital PTZ control of fix cameras and Axis 360° cameras
- Zoom and pan in site plans
- Control of I/O devices
- Access control: control of doors and access points
- Triggering of predefined actions
- 3 operation levels: Alarm, Live, Playback
- Display of up to 16 video streams per screen
- Display of meta data in video images
- Display of websites like Google maps, etc.
- Display of predefined screen layouts
- Display and storage of freely definable screen layouts
- Display of all relevant information of an automatic number plate recognition
- Display in corridor format
- Display of the classification results of video analytics
- Display of recordings with Instant Replay
- Recording management: Permanent, manual, time or event controlled recording
- Recording playback of up to 16 video streams per screen
- Playback of several recordings either synchronously or asynchronously
- Recording search with time and event filter
- Intelligent recording search with Smart Search
- Time Shift Playback
- Recording export in AVI/MP4 with watermarks and password protection
- External recording playback with ArchivePlayer

- Alarm management with automatic alarm display and acoustic signal
- Alarm management with different event and action texts
- Alarm management with workflow and reporting
- Alarm management with two-stage workflow
- Comprehensive IT security functions with end-to-end encryption from the camera to the Client
- Support for DNS (domain name system) and IPv6
- Virtualisation: several Clients in their own Windows sessions on 1 PC
- Cross-site search for resources like cameras, inputs, etc.
- Running of external programmes in VideoManager
- Display of CPU load, network load and memory usage of RAM and hard disks
- Creation of a System report: Automatic collection of configuration and log data as well as compilation of an overview of the whole system hardware
- Ring buffer size calculation for a camera in the recording profiles
- Context-sensitive help function in system and analytics configuration
- Support for hardware acceleration for H.264 decompression

Client, 3D AddOn

The module „Client, 3D AddOn“ will be additionally used with the module “Client” for a 3D georeferencing video surveillance system. It offers the visualisation of detection results of the video analytics in site plans, allows an exact object localisation and facilitates an automated object tracking over the entire surveillance area.

Features:

- Display of objects in site plans by avatars
- Display of object metadata in site plans
- Automatic PTZ camera control by 3D object data
- Definition of alarm criteria in site plan
- Display of alarm and system objects in site plan
- Alarm object handover from fix camera to fix camera
- Alarm object handover from fix camera to PTZ camera
- Alarm object handover from PTZ camera to PTZ camera
- Graphical verification of the 3D calibration

NextGen Client

The module "NextGen Client" serves as a comprehensive display and operating station of the video surveillance system.

It offers the possibility to operate the system from a central location. It also allows the simultaneous display of up to 16 video streams per screen and the processing of alarms. Additionally, it provides the control of PTZ cameras and I/O devices.

Features:

- Camera management
- Camera display with properties and status
- Display of camera groups and camera sequences
- Control of PTZ cameras with mouse, Soft Joystick, or Axis T8311 Joystick
- Digital PTZ control of fixed cameras and Axis 360° cameras
- Camera images with different aspect ratios can be displayed
- Zoom and pan in site plans
- Control of I/O devices
- Operating levels: Alarm, Live, Search
- Display of empty or predefined views
- Display of up to 16 video streams per screen
- Display of metadata in video images
- Display of predefined screen layouts

- Favourites: workplace-specific labelling of resources
- Triggering of predefined actions
- Alarm processing with automatic alarm display
- Alarm processing with entering of comments and selection from alarm causes
- Search for recordings: camera-related, by alarm recordings, in all recordings
- Display of recordings
- Comprehensive IT security functions with end-to-end encryption from the camera to the client
- Support for DNS (Domain Name System) and IPv6
- Support for login via Active Directory
- Automatic start possible
- Resource list optionally left or right
- Light and dark design switchable
- Hardware accelerated H.264 decompression

Further Add-ons

The add-ons are optionally used as an extension of the “Client”.
They include the following modules:

„Additional Screen“ for activation of an additional screen for display and operating stations

Features:

- Optional activation of an additional screen for display and operating stations

„Site Plans“ for visualisation of multiple surveillance areas (site / building), for display of video streams and for control of PTZ cameras and I/O devices

Features:

- Visualisation of multiple surveillance areas (site / building)
- Display of video images and cameras
- Display of camera properties
- Display of motion profiles (with video analytics)
- Manual recording management
- Control of PTZ cameras and I/O devices

„TimeMachine“ for recording and playback of screen contents for the purpose of reconstruction of situations in the past

Features:

- Recording of screen contents
- Playback of recorded screen contents
- Intuitive usable playback control
- Quick access to events over timeline

„WallControl“ for alarm display as well as for connection and remote control of cameras, site plans and websites on an external video wall

Features:

- Connection and remote control of cameras, site plans and websites on an external video wall

SOAP/TCP

The module “SOAP/TCP” is an interface for the connection of the video surveillance system with third-party systems. It offers the connection of displays and site plans of the video surveillance system in third-party systems. In addition, it facilitates the control of recordings, PTZ cameras and I/O devices in third-party systems.

Features:

- Connection with third-party systems
- Connection of displays and site plans
- Control of recordings, PTZ cameras and I/O devices
- Support for automatic number plate recognition (ANPR) systems
- File interface for execution of commands sent from a foreign system
- Encryption of communication

Host TCP

The module „Host TCP“ is an interface for the connection of the video surveillance system with third-party systems. It is used to transmit alarms or events in both directions. Additionally it enables the third-party system to trigger a number of functions in IPS VideoManager.

Features:

- Sending and receiving TCP strings
- Simple strings for alarm or event transmission and for control
- Support for automatic number plate recognition (ANPR) systems
- Detecting a connection interruption
- Multiple connections with an adjustable limitation of the number are possible

ActiveX

The module “ActiveX” facilitates the display of one video stream of the video surveillance system in third-party systems.

Features:

- Display of one video stream in third-party systems

3D Tracker

The module „3D Tracker“ will be additionally used with the module “Management Server” for a 3D georeferencing video surveillance system. It offers the visualisation of detection results of the video analytics in site plans, allows an exact object localisation and facilitates an automated object tracking over the entire surveillance area.

Features:

- Control of 3D georeferencing functions

Active Directory Support

The module „Active Directory Support“ supports the user administration with the active directory service for Microsoft Windows servers.

Features:

- Support of Active Directory for Microsoft Windows servers

Device Server

The module “Device Server” ensures the connection to and the administration of cameras and analytics modules in the video surveillance system. It offers as single or multi instance the operation and storage of the video and audio data.

Features:

- Connection and administration of cameras and analytics modules
- Operation and storage of video and audio data as single or multi instance
- Dynamic recording ring buffer management

Redundant Device Server

The module “Redundant Device Server” ensures the optional connection of a redundant device server to enhance the operational safety of the used device servers in the video surveillance system. It offers an $n + 1$ redundancy and the automatic switching in case of a failure of a device server to the redundant device server (as single instance only).

Features:

- Optional connection of a redundant device server ($n + 1$ redundancy)
- Automatic switching in case of a failure of a device server to the redundant device server

Analytics Streaming Service

The module “Analytics Streaming Service” provides metadata (object data from video analytics) to a foreign system.

Video Analytics

The module “Video Analytics” ensures the optional connection of different, server-based analytics modules to the video surveillance system. It offers the simultaneous operation of several analytics modules per camera.

Features:

- Optional connection of different, server-based analytics modules
- Simultaneous operation of several analytics modules per camera
- Support of the corridor format

Camera Input

The module “Camera Input” ensures the connection of a camera (digital / analogue with encoder) to the video surveillance system. It offers the operation and recording of several video streams per source in MJPEG or H.26x (H.264 oder H.265) compression (Multi-Streaming). In addition, it supports several audio streams per source (H.264 only). At the same time, it allows the operation of Unicast or Multicast data packages.

Features:

- Connection of a camera (digital / analogue with encoder)
- Operation and recording of several video streams (Multi-Streaming)
- MJPEG or H.264 compression
- Audio support (Live)
- Operation of Unicast or Multicast data packages
- DHCP for IP cameras by configuration of domain names

Camera Input, 3D AddOn

The module „Camera Input, 3D AddOn“ will be additionally used with the module “Camera Input” for a 3D georeferencing video surveillance system. It offers the visualisation of detection results of the video analytics in site plans, allows an exact object localisation and facilitates an automated object tracking over the entire surveillance area.

Features:

- Control of 3D georeferencing functions

Transcoder

The module “Transcoder” converts and scales video streams from a local network for transmission to a MobileClient or WebClient. In addition, it offers a JSON service for connection and control of mobile and web-based applications.

Features:

- Conversion and scaling of video streams for transmission to MobileClient and WebClient
- Connection and control of mobile and web-based applications with JSON service

MobileClient

The module “MobileClient” is a mobile application for the operation on iPad and iPhone. It offers the simultaneous display, playback and alarm management of up to 4 video streams. At the same time, it allows the control of PTZ cameras and I/O devices.

Features:

- Camera administration
- Camera display with properties and status
- Control of PTZ cameras
- Control of I/O devices
- Triggering of predefined actions
- 3 operation levels: Alarm, Live, Playback
- Display of up to 4 video streams, also in H.264
- Display of meta data in video images
- Manual recording management
- Recording playback
- Recording search with time and event filter
- Alarm management with automatic alarm display and acoustic signal
- Support for port forwarding via NAT router (remote access via router)

WebClient

The module “WebClient” is a web-based application for the flexible operation in heterogenic system environments. It offers the simultaneous display, playback and alarm management of up to 4 video streams. At the same time, it allows the control of PTZ cameras and I/O devices.

Features:

- Camera administration
- Camera display with properties and status
- Control of PTZ cameras
- Control of I/O devices
- Triggering of predefined actions
- 3 operation levels: Alarm, Live, Playback
- Display of up to 4 video streams
- Display of meta data in video images
- Manual recording management
- Recording playback
- Recording search with time and event filter
- Alarm management with automatic alarm display and acoustic signal

Multi Site Connection

The module “Multi Site Connection” is the connection of a “Management Server” of an independent, local video surveillance system to an overall “Multi Site Management Server”.

Features:

- Connection of Management Server to overall Multi Site Management Server

Multi Site Management

The module “Multi Site Management” forms the core of an overall video surveillance system. It offers the central control, administration, coordination and monitoring of an unlimited number of independent, locale video surveillance systems.

Features:

- Overall user administration
- Overall user group administration
- Password protection (four-eye principle)
- Overall configuration administration
- License administration
- Overall alarm administration
- Overall alarm prioritisation
- Alarm notification over Email (optionally encrypted), SMS, TCP
- SQL database with automatic backup
- Support of cameras and devices of different manufacturers (specific / generic)
- Support of ONVIF compatible cameras and devices
- Centrally controlled backup of video recordings
- Comprehensive IT security functions with end-to-end encryption from the camera to the Client
- Support for DNS (domain name system) and IPv6
- NetTerm for troubleshooting support (local / remote)
- ServiceManager for configuration administration support
- Analyst for database reporting support (on- / offline)
- AutoUpdater for central distribution and installation of hotfixes
- Languages: German, English, French, Italian, Spanish, Russian
- Translation tool for additional languages

Multi Site Client

The module „Multi Site Client“ is the comprehensive display and operating station of an overall video surveillance system. It offers the possibility to configure and administrate all independent, local video surveillance system from a central point. At the same time, it allows the overall, simultaneous display, playback and alarm management of up to 16 video streams per screen. In addition, it facilitates the control of PTZ cameras and I/O devices.

Features:

- Overall camera administration
- Overall camera display with properties and status
- User-defined camera groups, camera sequences and views
- Control of PTZ cameras with mouse, software joystick, joystick, shuttle pro, keyboard
- Overall, automatic patrols with fix cameras and PTZ cameras with predefined positions
- Overall, digital PTZ control of fix cameras
- Overall control of I/O devices
- Overall triggering of predefined actions
- 3 operation levels: Alarm, Live, Playback
- Overall display of up to 16 video streams per screen
- Overall display of meta data in video images
- Display of websites like Google maps, etc.
- Display of predefined screen layouts
- Display and storage of freely definable screen layouts
- Display of views with cameras, sequences, or site plans from different sites
- Display of the classification results of video analytics
- Display of recordings with Instant Replay

- Overall recording management: Permanent, manual, time or event controlled recording
- Overall recording playback of up to 16 video streams per screen
- Playback of several recordings either synchronously or asynchronously
- Overall recording search with time and event filter
- Overall, intelligent recording search with Smart Search
- Time Shift Playback
- Recording export in AVI/MP4 with watermarks and password protection
- External recording playback with ArchivePlayer
- Overall alarm management with automatic alarm display and acoustic signal
- Overall alarm management with different event and action texts
- Overall alarm management with workflow and reporting
- Support for DNS (domain name system) and IPv6
- Virtualisation: several Clients in their own Windows sessions on 1 PC
- Cross-site search for resources like cameras, inputs, etc.
- Overall navigation in site plans of local video surveillance systems
- Zoom and pan in site plans
- Display of CPU load, network load and memory usage of RAM and hard disks
- Creation of a System report: Automatic collection of configuration and log data as well as compilation of an overview of the whole system hardware
- Context-sensitive help function in system and analytics configuration

Multi Site Streaming Server

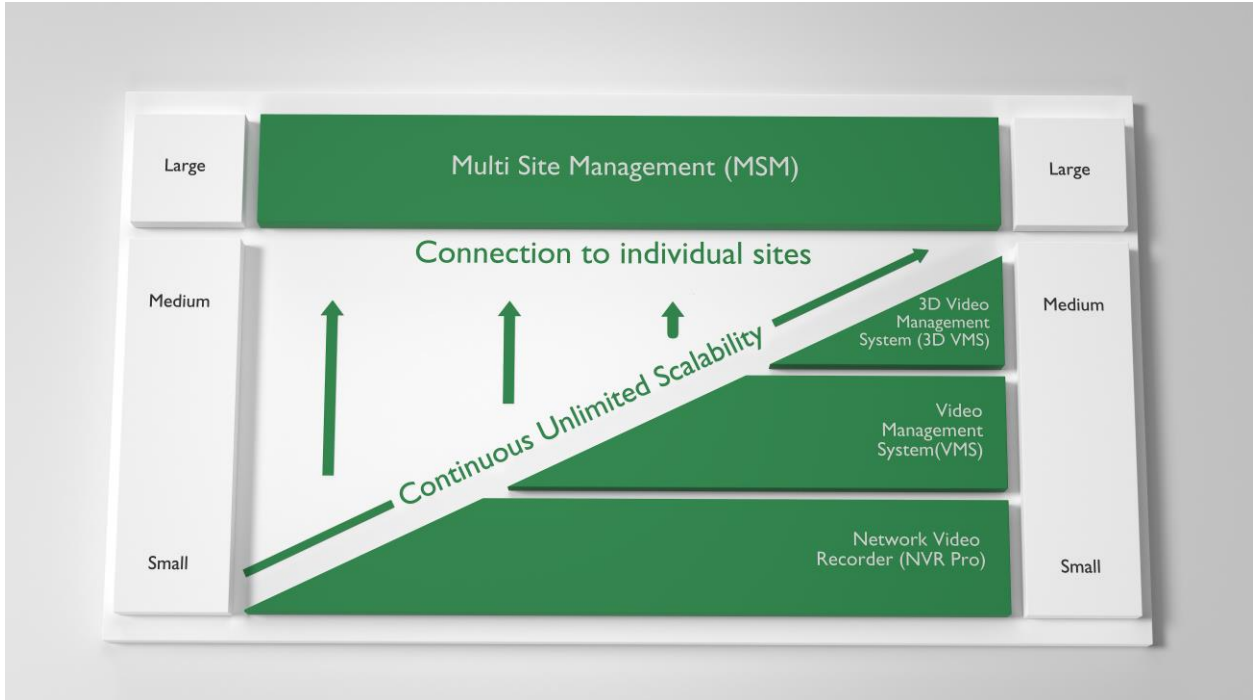
The „Multi Site Streaming Server“ module serves to multiply WAN live streams and WAN alarm histories. Additionally it stores alarm histories in a cache.

Features:

- Multiplication of WAN live streams and WAN alarm histories
- Caching of alarm histories

Licences – How is IPS VideoManager licensed?

IPS VideoManager enables continuous, unlimited scalability. Flexible licence models allow software licensing according to the user's needs. Additionally, existing systems can be continuously extended and retrofitted with supplementary functions.



IPS VideoManager offers the following licence models:

Single Licences

Single Licences	Licence volume
Server Licences	
IPS VideoManager	Management Server (per system) Device Server (per system) 3D Tracker (per system) Transcoder (per system)
Camera Licences	
IPS Camera Input	Camera Input (per camera) IPS Motion Detection (per camera) IPS Sabotage Detection (per camera)
IPS Camera Input, 3D AddOn	3D Camera Input (per camera)
Client Licences	
IPS Client	Client or NextGen Client (per display / operating station)
IPS MobileClient	MobileClient (per iPad / iPhone)
IPS WebClient	WebClient (per workstation)
Client Add-on Licences	
IPS Client, 3D AddOn	3D extension for Client (per display / operating station)
IPS Additional Screen	Additional Screen (per additional screen)
IPS Site Plans	Site Plans (per display / operating station)
IPS TimeMachine	TimeMachine (per display / operating station)
IPS WallControl	WallControl (per display / operating station)

Special Licences	
IPS SOAP/TCP Interface	SOAP/TCP (per interface)
IPS Host TCP Interface	Host TCP (per interface)
IPS ActiveX Stream	ActiveX (per video stream)
IPS Active Directory Support	Active Directory Support (per system)
IPS Redundant Device Server	Redundant Device Server (per system)
IPS Access Control Extension (for SOAP/TCP Interface)	1 IPS Access Control Extension
IPS Access Control (ONVIF)	1 IPS Access Control Extension, 1 IPS SOAP/TCP Interface, 1 IPS Access Control Gateway (ONVIF) (1x per system)
IPS Analytics Streaming Service	Analytics Metadata Streaming Server (per Device Server)
IPS ANPR Support	Automatic Number Plate Recognition (per site)
Multi Site Licences	
IPS Multi Site Management	Multi Site Management Server (per system)
IPS Multi Site Connection	Multi Site Connection (per connection)
IPS Multi Site Client	Multi Site Client (per display / operating station)
IPS Multi Site Streaming Server	Multi Site Streaming Server (per system)

Bundle Licences

Bundle Licences	Licence volume
Network Video Recorder Pro (NVRPro)	
IPS NVRPro-4 (4 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 4 Camera Input
IPS NVRPro-8 (8 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 8 Camera Input
IPS NVRPro-12 (12 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 12 Camera Input
IPS NVRPro-16 (16 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 16 Camera Input
IPS NVRPro-20 (20 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 20 Camera Input
IPS NVRPro-24 (24 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 24 Camera Input
IPS NVRPro-28 (28 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 28 Camera Input
IPS NVRPro-32 (32 Channels)	1 Management, 5 Client (PC, Web, Mobile), 5 Site Plans, 32 Camera Input
Particularities: Unlimited extensions with single licences possible	
Camera Input Bundles	
IPS Camera Input Bundle (20 Channels)	20 Camera Input (per camera) IPS Motion Detection (per camera) IPS Sabotage Detection (per camera)
IPS Camera Input Bundle (50 Channels)	50 Camera Input (per camera) IPS Motion Detection (per camera) IPS Sabotage Detection (per camera)

Video Management System (VMS)	
IPS VMS Package	1 Management, 10 Client (PC, Web, Mobile), 10 Site Plans, 10 Additional Screen, 10 TimeMachine, 10 WallControl, 1 SOAP/TCP Interface, 1 Active Directory Support
Particularities: Unlimited extensions with single licences possible	
3D Video Management System (3DVMS)	
IPS 3DVMS Package	1 Management, 10 Client (PC, Web, Mobile), 10 Client 3D AddOn, 10 Site Plans, 10 Additional Screen, 10 TimeMachine, 10 WallControl, 1 SOAP/TCP Interface, 1 Active Directory Support
Particularities: Unlimited extensions with single licences possible	
Multi Site Management (MSM)	
IPS MSM Package	1 Multi Site Management, 10 Multi Site Client (PC), 10 Client 3D AddOn, 10 Site Plans, 10 Additional Screen, 10 TimeMachine, 10 WallControl, 1 SOAP/TCP Interface, 1 Active Directory Support
Particularities: Unlimited extensions with single licences possible	

Advantages – Why IPS VideoManager offers clear competitive advantages?

IPS VideoManager provides the following performance characteristics:

Powerful platform for sophisticated video surveillance systems

IPS VideoManager supports a large number of surveillance cameras from various manufacturers, is independent of specific hardware, and enables easy integration of diverse third-party systems. At the same time, the modular architecture allows both local and networked video surveillance systems to be set up and operated reliably for a wide variety of applications.

Uniform operating concept on different devices

IPS VideoManager features a uniform operating concept for PC, Web and Mobile Clients. This allows video surveillance systems to be operated intuitively and reliably even without extensive training. Users thus benefit not only from comprehensive functions, but also from high operating convenience.

Seamless integration of intelligent video analytics

IPS VideoManager supports the full spectrum of IPS VideoAnalytics on servers and cameras. Thanks to seamless integration, IPS VideoAnalytics can be configured conveniently in IPS VideoManager. In addition, video data can be evaluated in real time and detection results can be presented in a clearly understandable form in IPS VideoManager.

Automated surveillance with latest 3D Video Technology

With its 3D georeferenced approach, IPS VideoManager enables the precise localisation of objects in the surveillance area. This allows camera control with a click in a video window or on a site plan, automatic tracking of detected objects between different cameras, and visualisation of object motion profiles on site plans. This means that even complex areas and sites can be monitored without any blind spots.

Unlimited scalability through flexible licence models

With its single and bundle licence options, IPS VideoManager ensures continuous, unlimited system scaling without a complicated extension policy. In this way, IPS VideoManager offers not only extremely high flexibility, but also the assurance of a secure long-term investment.

Portfolio – What solutions are currently available with IPS VideoManager?

The current version of IPS VideoManager offers the following solutions:

Key features	IPS VideoManager			
	NVRPro	VMS	3DVMS	MSM
Sites	1	1	1	unlimited
Cameras	unlimited	unlimited	unlimited	unlimited
Servers	unlimited	unlimited	unlimited	unlimited
Client(s)	5 included (unlimited extendable)	10 included (unlimited extendable)	10 included (unlimited extendable)	10 included (unlimited extendable)
WebClient(s)				no
MobileClient(s)				no
Live Viewing	yes	yes	yes	yes
Playback Viewing	yes	yes	yes	yes
Alarm Management	yes	yes	yes	yes
PTZ Control	yes	yes	yes	yes
I/O Control	yes	yes	yes	yes
ArchivePlayer	yes	yes	yes	yes
Smart Search	yes	yes	yes	yes
ONVIF Support	yes	yes	yes	yes
Audio Support	yes	yes	yes	yes
Site Plans	yes	yes	yes	yes
Motion Detection	yes	yes	yes	yes
Sabotage Detection	yes	yes	yes	yes
Video Analytics Support	yes	yes	yes	yes
Additional Screen	optional	yes	yes	yes
TimeMachine	optional	yes	yes	yes
WallControl	optional	yes	yes	yes
Third-party Interface	optional	yes	yes	yes
Active Directory	optional	yes	yes	yes
3D Georeferencing	optional	optional	yes	yes
Redundant Device Server	optional	optional	optional	no
Analytics Streaming Service	optional	optional	optional	no
Multi Site Support	remote site	remote site	remote site	central site

Note: Overview based on bundle licences with appropriate single licence extensions

Additional Documents

- Current interface descriptions
- Current planning, installation, configuration, commissioning and operating instructions