

NOVUS[®]

Professional solution for your security systems

Free IP video monitoring software

The screenshot displays the NOVUS Management System interface. On the left, there are two large video windows showing a train station and a retail store. Below these are configuration panels for 'Devices' and 'PTZ control'. The 'Devices' panel lists cameras with columns for ID, Name, Status, and Description. The 'PTZ control' panel includes zoom, pan, and tilt controls. On the right, there is a 'Log' window with a date range selector and a 'Device logs' table. The table has columns for Name, Confirmed, Confirmed Size, Confirmation Size, Confirmation Date, Device, Channel, Channel Name, IP Address, and Video. The table contains multiple rows of log entries.



**NOVUS
MANAGEMENT
SYSTEM**

CLIENT-SERVER communication

Multi-screen operation

Live monitoring
of up to 128 video streams

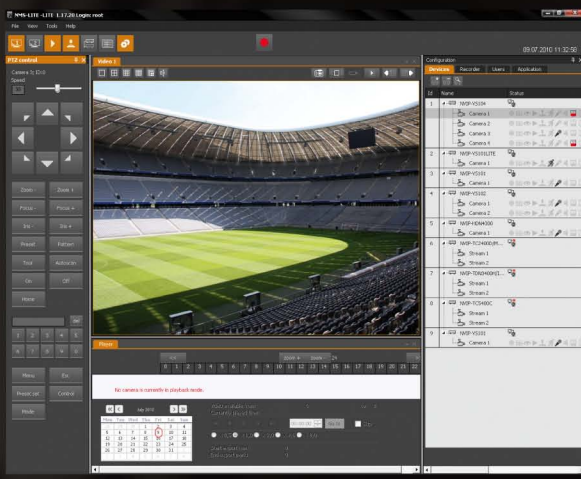
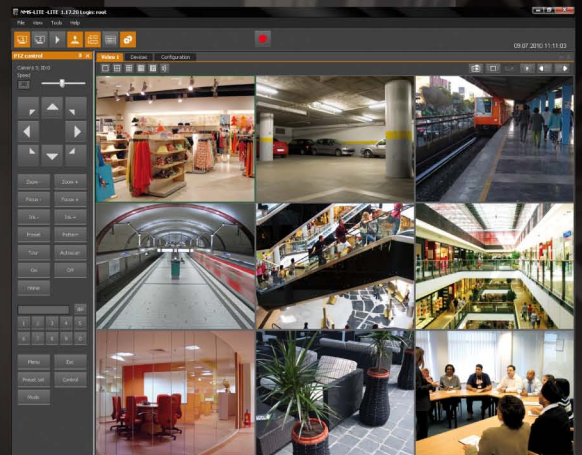
Advanced
recording schedule

Remote configuration
of IP devices



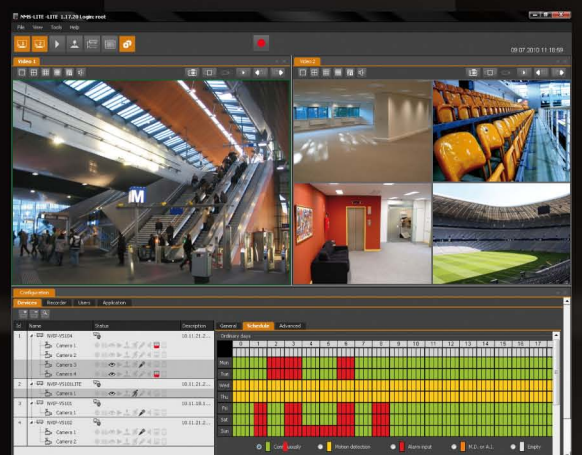
NOVUS MANAGEMENT SYSTEM

- Application for a remote connection with the NMS server in live monitoring mode
- Simultaneous live monitoring of 128 video streams in 2 independent video windows
- Display of RTSP streams from the NMS server or directly from devices on the website, as well as in media players
- Intuitive interface allowing users to create own working panels' configurations
- Multi-screen operation capability
- Clear graphical recording schedule, defined individually for each video channel



- Full-function operation of devices controlled through Novus-C, Novus-C1, Novus-C2 and Pelco-D protocols from the PTZ panel or PC mouse
- Audio recording and real-time listening for each video channel
- A new algorithm for rapid export to .avi files
- User system access management
- Intuitive work with graphical backgrounds (maps)

- Creating own camera viewing panels by using the „drag and drop“ method
- Graphical visualization of processes and alarms for each device
- Advanced log search system with the possibility of direct playback of a chosen alarm event
- Unique HDD space management system with the possibility of managing recording space individually for each channel

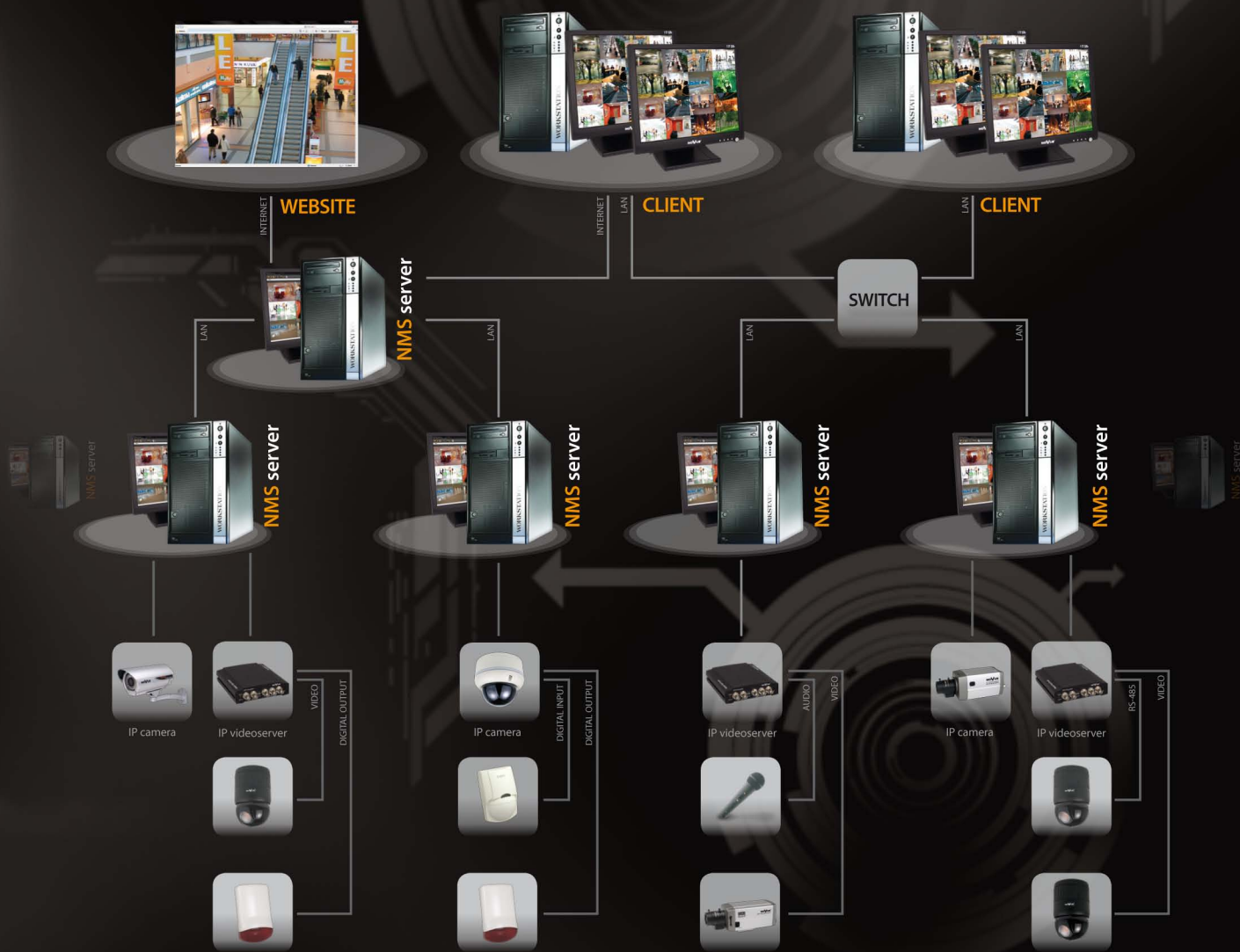


NMS Novus Management System

The NMS server plays two functions in IP monitoring system - of a typical recorder responsible for processing video streams generated by IP cameras and videosevers, as well as of a server streaming video signals in RTSP and HTTP standards. The first function includes, among others, video stream recording, playback decoding, real-time stream display, video signal copying and conversion. Thanks to the second function with stream transmission in RTSP and HTTP standards, the NMS server is much more capable of cooperation with many client applications, in comparison with a typical recorder.

Wide range of NMS server settings for video streams' sharing, enables creation of complex monitoring systems with multi-site recording and surveillance centres, containing many personalised operator stations. Flexible configuration influences the safety level improvement through redundant connections between NMS sending video streams and client applications. Therefore damage of network structure does not interrupt the monitoring process, and the possibility of recording on many dispersed servers additionally improves the protection of recorded data in case of theft, vandalism, fire or other unforeseen events.

Client software has a dedicated website and enables implementation of previews from selected cameras on any internet site. The application also operates with media players.



IP technology, why?



Digital video transmission technology development, more and more powerful and cheaper computer equipment, combined with faster and more stable computer networks have opened new horizons within the security industry.

Main characteristics of TV surveillance system based on IP are as follows:

- **Scalability** - connecting new cameras does not require developing the system by additional 4-, 8- or 16-channel devices, the only limitations are the network bandwidth and computer performance
- **Reduction of system installation, running and maintenance costs**, thanks to using the existing on-premises wiring - video signals streamed to the computer network need much less cables for transmission, in comparison with traditional installations based on coaxial wiring
- Thanks to the computer network, **management and monitoring can be done from any location**
- The internet connection **makes the system range theoretically unlimited** - the distance between a camera and a recording device is not limited by single cable transmission distance, but only by the network bandwidth

**Professional software
for new generation CCTV systems**