InVid Tech
Innovative Video Technology

VIDEO MANAGEMENT SOFTWARE
powered by

axxonsoft
EXPERIENCE THE NEXT®

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axxonext

Open Platform VMS by AxxonSoft

- Unlimited number of cameras, servers and remote clients
- iOS, Android, and web remote client applications
- Support for more than 1,500 IP camera models and analog cameras
- New IP camera Drivers Pack every 6 weeks free of charge
- Interactive 3D Map for instant camera pinpoint
- Unique tools for fast video footage retrieval
- Advanced video analytics
- Full functionality in systems of any scale
- Zero maintenance fees: free support and free updates
- Free 16 channel version is available

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Next level of **performance**

SolidStore file system

- Fast file access, zero fragmentation
- Unsurpassed reliability for video storage
- Greater hard disk service life

Green Stream

- Automatic switching between video streams based on resolution of a camera view
- Reduced CPU and network footprint

Video grooming for detection tools

- Decompression performed only for frames needed for video detection tools, not the entire stream: keyframes (H.264 , MPEG) or 2 fps (MJPEG)
- Reduced load on server CPU when detection tools are used

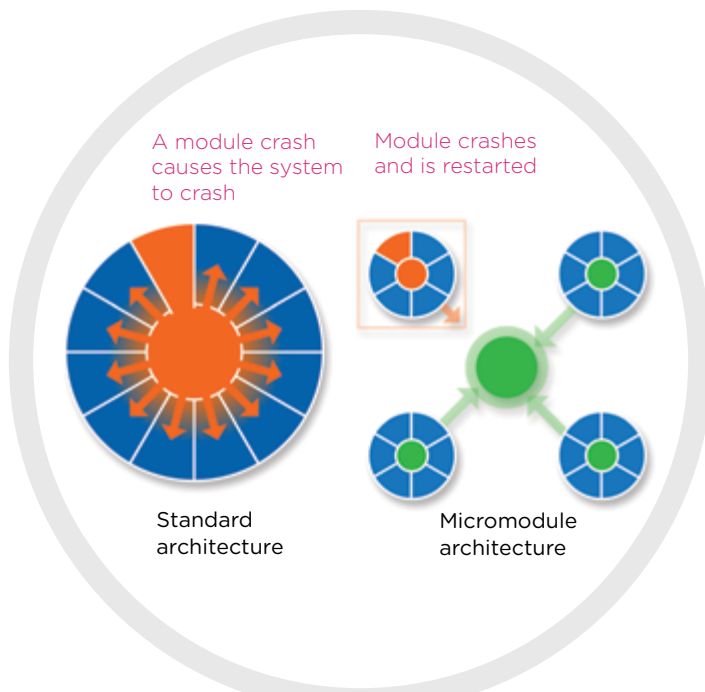Innovative Video Technology 631-388-5700 | sales@invidtech.com | info.invidtech.com/axxon

Video recompression on server

- Camera video is decompressed and compressed with the Motion Wavelet codec on the server

- Once compressed, video can be sent to different clients at the necessary resolution and frame rate

- Reduced load on network and client computer CPUs

▶ **Next level of reliability**

Micromodule architecture

A module crash causes the system to crash

Module crashes and is restarted

Standard architecture

Micromodule architecture

- Greater reliability – each system function is performed by a separate micromodule

- If an error occurs, only the micromodule in question is relaunched, without affecting the functioning of the system overall

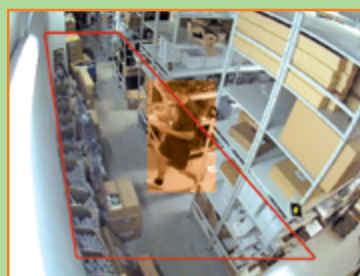- Ease of micromodule testing enables quicker delivery of stable new product versions

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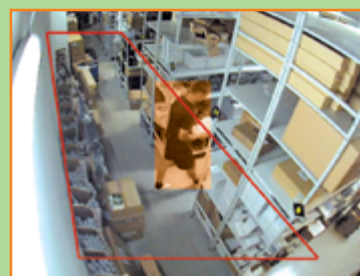## Next level of **efficiency**

Advanced thumbnail search

- Split a section of a video into equal-sized intervals, with display of the first frame of each interval

- For more detail, select an interval and split it again by clicking

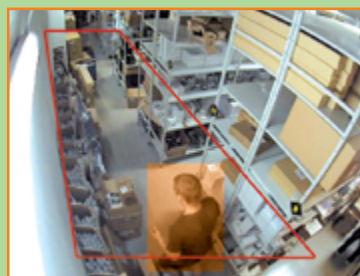- Find any moment of interest in a recording in just a few clicks

Search range: 13/03/2013 **09:00:00 AM** – 13/03/2013 **11:00:00 AM**
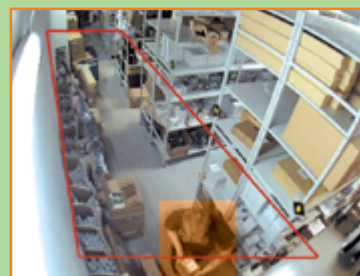
09:17:34.371 AM   09:19:12.003 AM

09:22:40.022 AM   09:23:02.107 AM

Event-based archive search

- Get an on-screen preview of all video that matches the selected event type
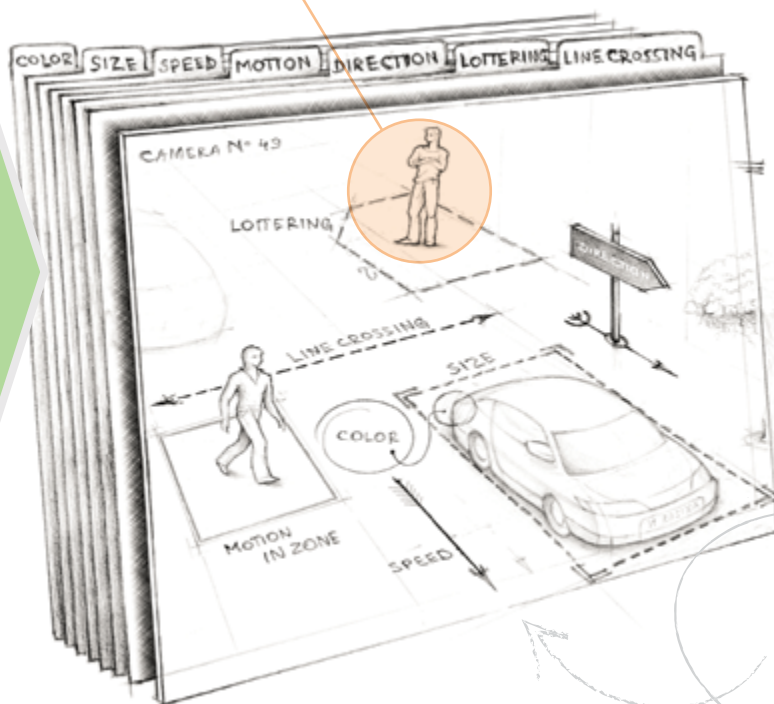
Select one or more event types:

- detection triggered, recording started, alarms

- Fast synopsis of recorded video by type, quick pinpointing of specific moments

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Comment-based archive search

- Add text comments to a frame, video interval, or alarm
- Indicate the places or areas in the frame to which the comment applies
- Quick search of video by comment text
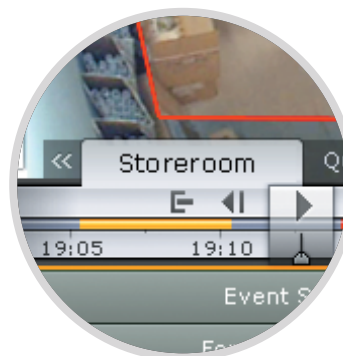
MomentQuest2 forensic search

Search criteria:

- zone entry, motion in area of interest, movement between areas, color, size, etc.
- Criteria set at the time of search, no pre-configuration of detectors is necessary
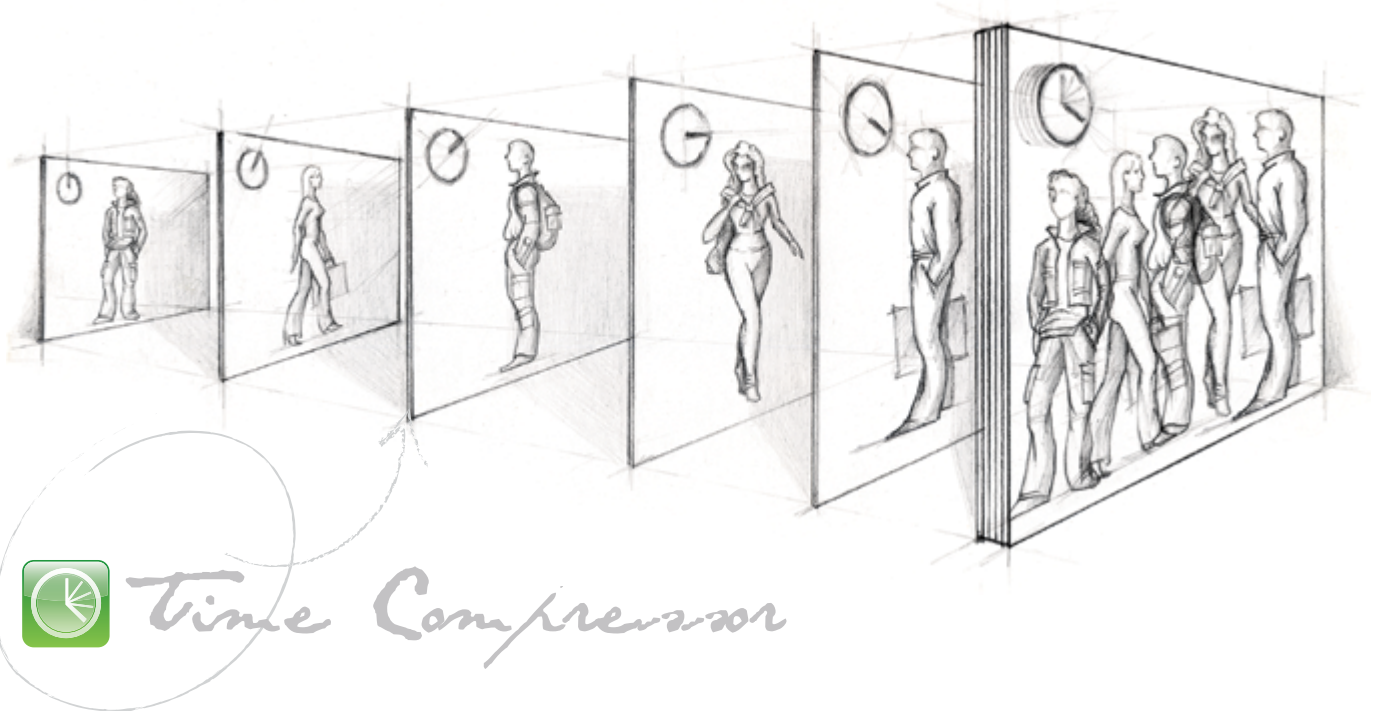- Metadata generated during video recording guarantees fast searches
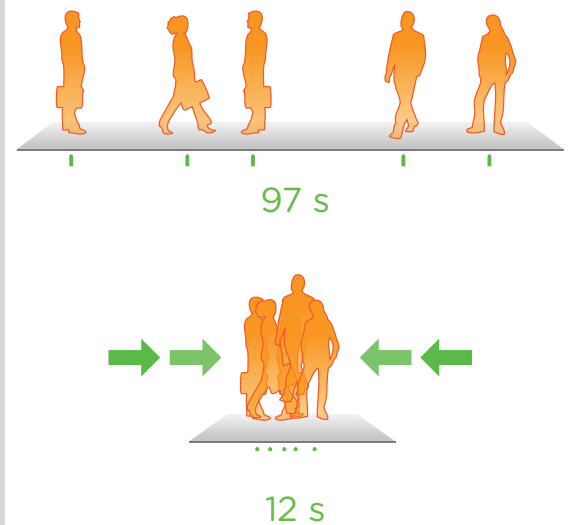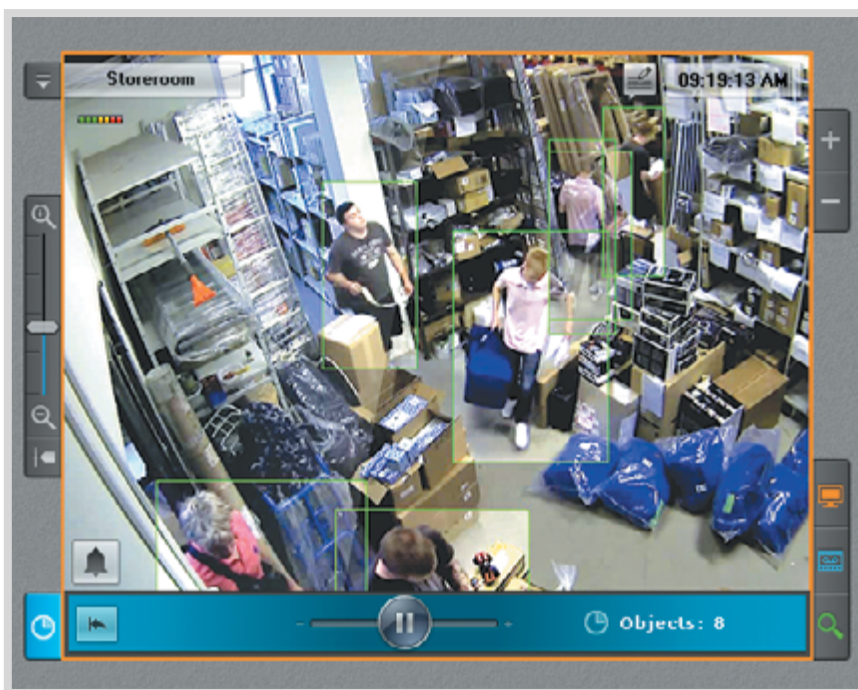
Automated tagging

- Save common MomentQuest2 searches for rapid access
- Give plain English names to searches
- Edit searches

Time Compressor

- Simultaneously view all objects that moved in the frame during the selected period
- Speed up search (by dozens of times) for an object of interest
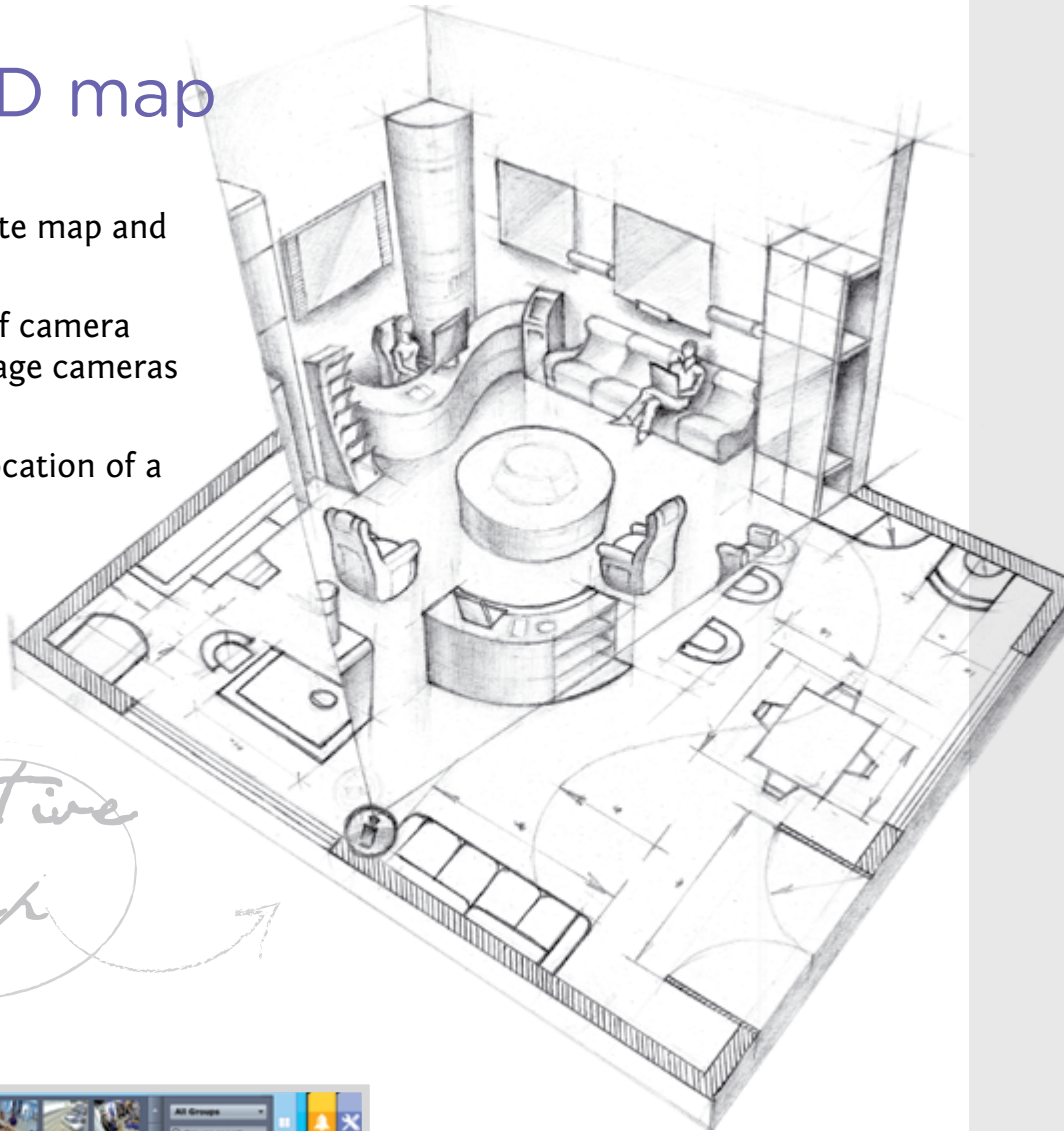- Click to view a video fragment in normal mode

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Next level of usability

Interactive 3D map

- Efficient placement of a site map and video in a single window

- Visually intuitive display of camera locations at the site; manage cameras with context menus

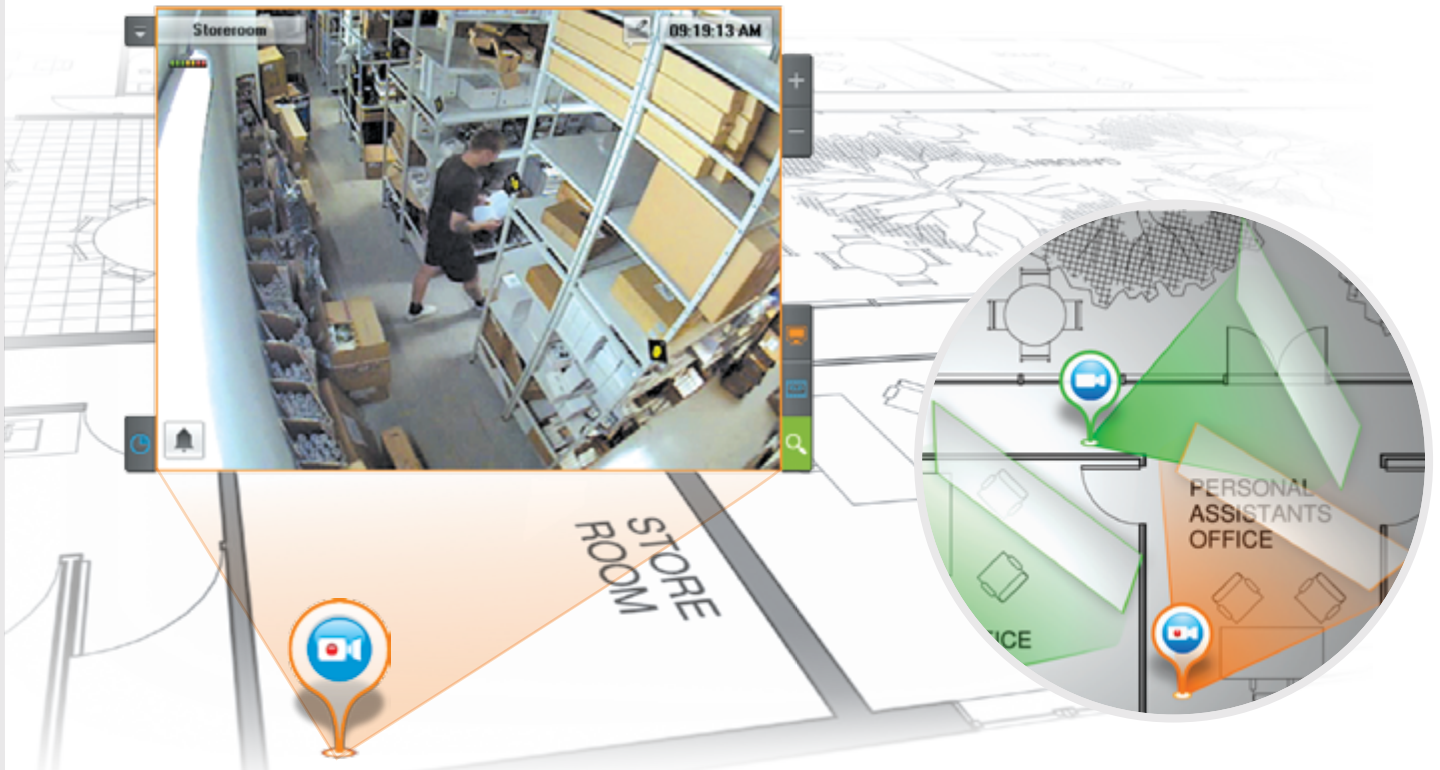- Instantly determine the location of a camera of interest

Immersion Mode

- Superimpose video on the map, combining in-frame objects with their representations on site blueprints
- See how motion of objects in-frame is reflected as movement in real space
- Support for fixed and fisheye cameras, switch between cameras in immersion mode

Integration with Geomaps

- Use Geomaps as site blueprints
- Save time on creating blueprints; map is automatically updated
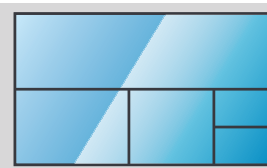- Scale and navigate the map while additional data is obtained from the Internet in real time

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Next level of **functionality**

Customizable camera layouts

PANORAMA

16:9

4:3

16:9

16:9

- Create layouts for any configuration

Display all video formats in a single layout:

- 4:3, 16:9, panorama
- Digital zoom position is saved for each camera

VideoWall. Configure viewing tiles on additional monitors

- Configure layouts for additional monitors from the main computer monitor
- Configuration steps are not visible on the additional monitor
- The new layout is instantly displayed on the additional monitor, without any downtime

360 degree camera support

- Fisheye dewarping via GPU processing
- Multiple fixed images are derived to create tiles in the user-specified format
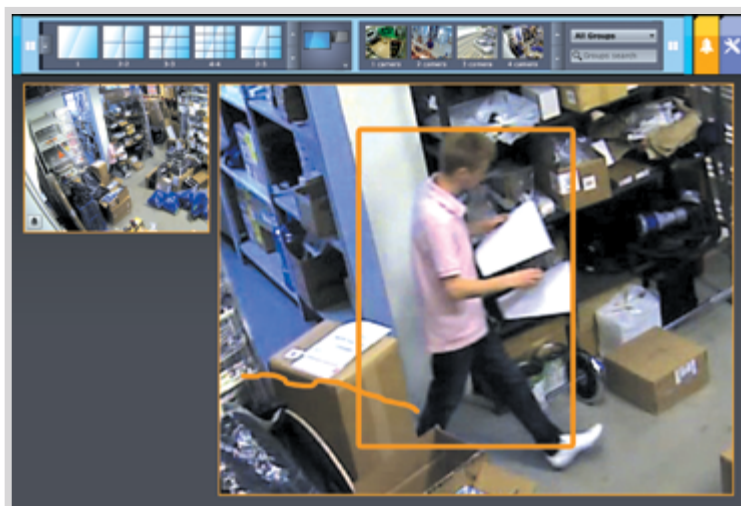- Support for standard fisheye lenses and panomorphic lenses from ImmerVision

Manage Virtual PTZ cameras from the map

- Click to position a Virtual PTZ camera at a selected location on the map
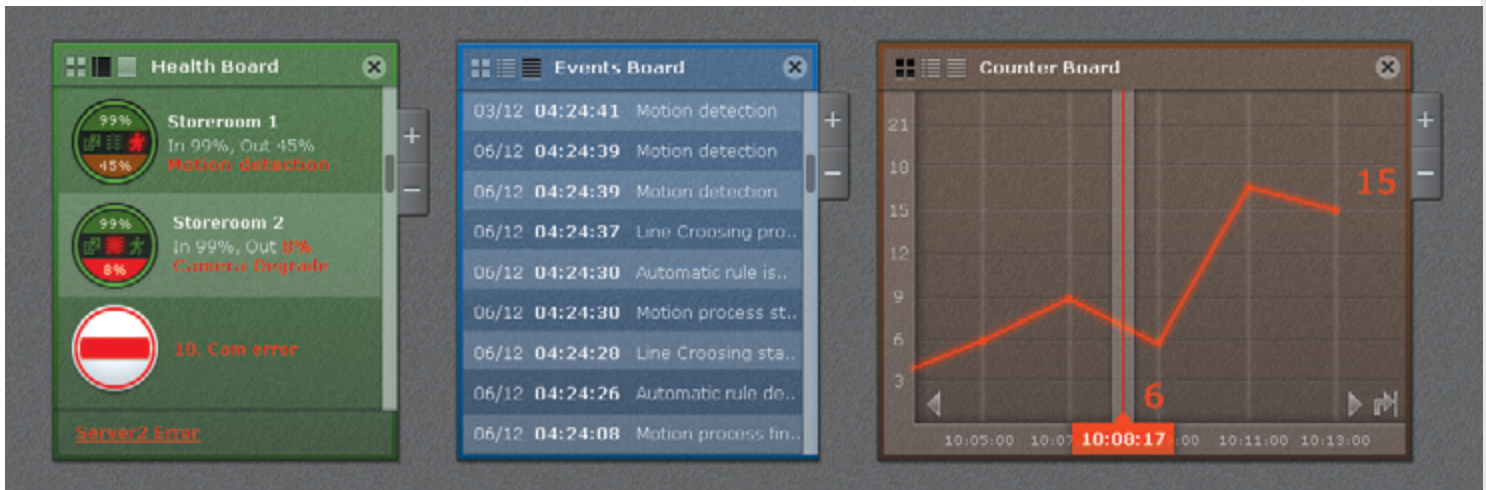- Easy, visual camera management

Autozoom

- Automatic digital zoom and following of objects
- Change the position of digital zoom based on the number of objects in the frame
- Support for fixed cameras and Virtual PTZ cameras

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Dashboards

On-screen display of vital information at a glance:

Health Board – status and function indicators for servers and connected cameras

Events Board – list of system events, based on a custom filter

Counter Board – the number of events of a selected type, as an image and numeric value

Video Analytics

- 10 video detection tools included in all licenses, free of charge
- Convenient, interactive configuration of video detection tools
- Flexible, convenient configuration of system responses to triggers

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