

Axxon Next is best-in-class, new-generation Video Management Software that is based on open standards to offer a truly open platform. Axxon Next's reliability, performance, and convenience are unmatched on the market. Experience unprecedented flexibility and freedom of configuration: unlimited number of video servers, cameras, workstations and mobile client devices, and more than 1500 IP camera models are all supported. Thanks to the program's application programming interface (API),

Axxon Next allows easily integrating third-party hardware to extend your video system's functionality yet further. The advanced ergonomic interface makes all functions intuitively easy to use and find. A transparent customer-oriented pricing policy means that you can take advantage of the program's full functionality, no matter the size of your system. Axxon Next is available in a free version with support for 16 connected cameras and an included license for video and audio detection tools.

AXXON NEXT HIGHLIGHTS

- Unlimited number of cameras, servers and remote clients
- Support for more than 1000 IP camera models
- iOS, Android, and web remote client applications
- Unique tools for fast video footage retrieval
- Interactive 3D Map
- Flat pricing—easy to budget and save
- Zero maintenance fees
- Free support
- Free 16 channel version

NEW FEATURES IN AXXON NEXT 3.1:

- Automatic switching between video streams based on the current resolution of a camera view
- Reducing server load during detection via decoding keyframes only
- Interactive 3D Map: scalable map, immersion mode
- Editing mode for custom camera layouts
- Automatic tracking of moving objects via digital autozoom
- 360 degree camera support, dewarping via GPU processing
- Support for ImmerVision lenses
- Digital signing for exported video files and frames
- Adding text comments during video export
- iOS and Android client apps

CORE FUNCTIONS

- Automated device discovery.
- Pre-event video recording buffer.
- Simultaneous video recording and real-time surveillance.
- Synchronous playback of video footage recorded by several cameras.
- Playback with fast- or slow-motion in forward or reverse.
- Web and iPhone live view and archive view.
- Archive navigation through events recognized by video analytics or tagged by operators.
- Recording, alarm generation, management of relays and camera PTZ devices, notification by SMS, e-mail or voice message. These functions can be event-driven (response scenarios). Recording also can be continuous or be initiated by an operator (alarm handling mode).
- Multi-level user rights.
- Support for widescreen displays and cameras, and touch screen displays.

SPECIAL FEATURES

- Capability to use different streams from a camera for recording and display (multi-streaming).
- Capability to choose the write location and recording parameters for various cameras and for various events that initiate recording.
- SolidStore — a proprietary highly-efficient file system for video storage.
- Micro-module and distributed architecture for unprecedented reliability.

INTERACTIVE 3D MAP



Interactive 3D Map superimposes camera locations on a site map and displays camera views in the same window. This handy viewing mode allows operators to monitor situations without spending time to switch between windows. Operators can instantly pinpoint where a selected camera is located on the map and identify the corresponding location of interest.

TIME COMPRESSOR



Time Compressor allows the user to set a time range for video footage and get a short video clip of all moving objects in the scene. Objects and events captured at different times are displayed simultaneously in a condensed "video synopsis". When you spot an object of interest, click to jump to playback of the corresponding video fragment.

MOMENTQUEST2



MomentQuest2 allows for quick retrieval of video footage thanks to metadata stored with each image. These are all the data on objects moving in the scene which are calculated as the video is streaming and stored alongside with the footage. Within seconds, the MomentQuest2 system will find the records that match the user's query.

You can specify the following search criteria for MomentQuest2:

- motion in the zone, user-defined with any polyline
- entering the user-defined zone
- loitering (prolonged presence of an object in an area)
- simultaneous presence of a few objects in an area
- motion from one area to another.

You can apply these filters to your search results:

- object size
- object color
- direction of object motion
- speed of the moving object
- zone entry/appearance and zone exit/disappearance (with the “motion in the zone” criteria).

VIDEO ANALYTICS:

- motion detection
- background change detection
- loss of video quality detection
- abandoned objects detection
- motion in the zone detection
- stopping in the zone detection
- loitering detection
- zone entry/appearance detection
- zone exit/disappearance detection.

AUDIO DETECTION TOOLS:

- noise detection
- silence detection.

TECHNICAL SPECIFICATIONS

System architecture	Client-server
Number of servers in the distributed system	Unlimited
Number of clients which support simultaneous connection to the server	Unlimited
Number of servers which simultaneously transmit video images to a client	Unlimited
Number of video input channels per server	Unlimited
Number of simultaneously processed signals from microphones	Unlimited
Number of audio output channels (speakers, headphones etc.)	See your Sound Card specs
Number of PTZ devices used	Unlimited
Number of camera views displayed simultaneously on a client’s screen	Unlimited
IP device support	IP cameras and IP video servers from various manufacturers—more than 1000 devices. The list is constantly growing; you can add support for new devices to the system by updating the Drivers Pack software module. Reinstallation of the entire system is not required for this.
Support for analog cameras	Through Stretch and YUAN Cards
Video compression algorithms	MJPEG, MPEG-4, MxPEG, H.264, Motion Wavelet
Available video image resolutions	Resolutions supported by the video cameras
Support of embedded video camera video analytics	Yes
Support of touch-sensitive monitors	Yes
OS	Microsoft Windows XP/Vista/7/Server 2003/Server 2008*

* Some features of Axxon Next may be unavailable or limited by the OS. Please refer to the User Guide.

The minimum configuration of the PC running the Server and Client Software

Hardware	1—16 Cameras	17—32 Cameras	33—64 Cameras
CPU	Intel Core i3 540 @ 3.06 GHZ	Intel Core i7 930 @ 2.8 GHZ	2 x Intel Xeon 5660 @ 2.8 GHZ
RAM	2 GB	4 GB	6 GB
Graphics Card	NVIDIA GeForce 200 ATI Radeon HD 5000, AMD Radeon HD 6000		
HDD	SATA II 7200rpm	SATA II 7200rpm	Server: RAID 0 on SATA II 7200rpm or SCSI 10,000rpm Client: SATA II 7200rpm

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