Axxon Next VMS

A video surveillance system that combines innovative technologies and experience with deployment on tens of thousands of sites. A balanced product that can meet the needs of any project, regardless of the scale or complexity.

CORE FUNCTIONS

- Automated device discovery

- Pre-event video recording

- Simultaneous recording to archive and real-time surveillance

- Capability to use different streams from a camera for recording and display

- Capability to choose recording location and recording parameters for different cameras and various trigger events

- Synchronous playback of video footage recorded by several cameras

- Playback speed control during fast forward or rewind

- Advanced video export settings

- UDP and multicast video streaming

- Mobile clients and web interface

- Video detection tools: motion, stopping, loitering, line crossing, camera tampering, etc.

- Archive navigation through events generated by video analytics or tagged by operators

- Automated responses to events: recording, management of relays and PTZ devices, notification by SMS, e-mail, or through camera speaker output

- Multi-level user rights

- Support for widescreen displays and cameras, as well as touch screen displays

SPECIAL FEATURES

- Cloud service for remote monitoring and situational awareness

- Deep learning video analytics: fire and smoke, human and vehicle, abandoned object detection

- Multiple criteria forensic search of video footage

- Face and license plate recognition, and search

- Visual scene synopsis

- Interactive 3D map

- Video walls management

- Automatic object tracking with digital zoom or multiple cameras

- Support for Intel Quick Sync hardware video decoding

- Bandwidth optimization technology

- Video recording to network storage

- Processing of events from third-party systems

- Macros for cause and response rules

- Motion detection recording by default

- Mass configuration of cameras

- Support for LDAP authentication

- Proprietary highly-efficient file system for video storage

- Micromodule-based and decentralized architecture for unprecedented reliability

- Failover service

AXXON NEXT TECHNICAL SPECIFICATIONS

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 camera views displayed simultaneously on a client's screen	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 event sources (POS devices)	Unlimited
Number of objects simultaneously tracked by the Object Tracker	Up to 25
Number of license plate recognition channels	Determined by the license; there is no upper limit
Number of face recognition channels	Determined by the license; there is no upper limit
Support for IP devices	More than 10,000 models of IP devices supported, and this 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 video capture cards
CPU support	32-bit (x86), 64-bit (x64)
Video compression algorithms	MJPEG, MPEG-2, MPEG-4, MxPEG, H.264, H.265, Motion Wavelet, Hik264 (only for x86)
Available video image resolutions	Resolutions supported by the video cameras
Support for embedded video camera video analytics	Yes
Access to embedded video camera storage	Yes
Support for touch-sensitive monitors	Yes
OS *	Windows Vista SP2 (x86, x64), Windows Server 2008 SP2 (x86, x64), Windows Server 2008 R2 SP1 (x64), Windows 7 SP1 (x86, x64), Windows 8 (x86, x64), Windows Server 2012 (x64), Windows Server 2012 R2 (x64), Windows Server 2016 (x64), Windows 10 (x86, x64)

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