



Technical specifications

Max Video inputs	Unlimited
Max remote client stations	Unlimited
Supported codecs	H.264 MPEG4 MJPEG Motion Wavelet MxPEG
Image resolution	Up to 10 megapixels
Export possibilities	AVI, JPEG, BMP, XLS, WAV
Digital zoom	x2, x4, x8, x16
Audio monitoring & recording	Yes
Synchronized audio/video	Yes
Duplex audio streaming	Yes
PTZ control	Dialog window, mouse, USB joystick, analog PTZ control panel
I/O dry contacts (per computer)	64 in / 64 out

Video capture cards

Software video compression	FX4 FX8 FX16 FX-HD4
Hardware video compression	Stretch VRC6xxx Stretch VRC7xxx
Mobile client devices	Cell phone, PDA, iPhone

Compatible IP cameras

ONVIF, PSIA, 3S Vision, ACTI, Alinking, Arecont Vision, ARH, Arlotto, Asoni, Avigilon, Axis, Basler, Beward, Bosch, Brickcom, Canon, Cisco, CNB, Compotrol, Dahua, Dallmeier, Dynacolor, EPI, Etrivision, ETZ, EverFocus, eVidence, FineCCTV, FlexWatch, Ganz, Geovision, Grandstream, Grundig, Gunnebo, HikVision, Hunt, iCanTek, Infinity, Infinova, InMotion, IQinVision, J2000IP, JVC, LG, LTV, Magic Box, Mango DSP, March Networks, MBK, Mediatronix, Merit Lilin, Messo, MicroDigital (MDI), Mobotix, MOXA, Novus, Optelecom-NKF, Panasonic, Partizan, Pelco, PixEYE, Planet, Probe, RIVA, RVI, Samsung Electronics, Samsung Techwin, Santec, Sanyo, Sentry360, SimpleIP Cam, Smartec, Sony, StarDot, Stream Labs, Stretch, TEDD, Tibet, TRENDnet, UDP, V1netIP, Vision, VisioWave, Vivotek, VoIP Group, Yudor Technologies

Compatible POS systems

Aloha Technologies, Borlas Retail, Dresser Wayne, FIT, IBS, IPS, NCR Real POS, POSitouch, Retailix, Scheidt&Bachmann, System Group, Tendo, TillyPad, UCS, VIMAS Technologies, Wincor Nixdorf

Video analytics	Motion Background change Drop of image quality Abandoned object Line crossing Movement in a restricted area Stopping in a restricted area Loitering Zone entry Zone exit Store traffic counting and queue management On-board video analytics on IP cameras
Forensic Search	Search criteria: crossing a virtual line in a user-defined direction motion in the zone zone entry zone exit motion from one area to another item appeared in the zone item disappeared in the zone stopping in the zone presence in the zone for over 10 seconds abandoned object Additional criteria: find objects of the selected color or objects that cross a line/polyline with the selected speed
Audio analytics	Powered by Audio Analytic engine: car alarms glass break
Optional video modules	License plate recognition Facial recognition Face search Road traffic monitoring POS integration
Event management	User-defined rules Advanced programmable script language for greater flexibility
Built-in object map management	2D blueprint Visual 3D modeling
OS	Windows XP SP3 Windows Vista SP2 Windows Server 2003 SP2 Windows Server 2008 SP2 Windows 7 32-bit and 64-bit
Min RAM	2 GB (4 GB recommended)
Video card	ATI, Nvidia Min: 512 MB
CPU	Intel Core 2 Duo or higher

Compatible PTZ

Pelco, Panasonic, Samsung, Sony, Sensormatic, Mintron, Nevis, JVC, Ganz, CNB, Dynacolor, Fastrax II, LTC, Kalatel, Kocom, Vortex, VCL, Dongyang, CBC, American Dynamics, Lilin, DTRMX, Yaan, Sunkwang, Everfocus, Sanyo, Videotec, Yoko, Oko and TC-404

Compatible Access Control, Fire and Security Alarm Systems

Honeywell, Sorhea, Intrepid, Unipos, Satel, Paradox, HID, Paxton, Optex, Polon, Salto



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Intellect Enterprise

Open PSIM platform for unlimited scalability and integration

Axxon Intellect Enterprise 4.8 is your choice when managing hundreds or thousands of cameras in a custom-built security system, or when you need integrated CCTV with access control, intruder alert, fire detection and sophisticated functionalities such as face recognition, road traffic monitoring, and bundled POS monitoring.

These capabilities make Intellect Enterprise 4.8 a perfect solution for large deployments for banking, city surveillance, gas stations, oil and gas facilities, critical infrastructure, and transportation (airports and railways). POS integration allows coordinated management of retail premises, guaranteeing security and safety in day-to-day operations.

With more than one million licenses sold in the last 5 years, Intellect Enterprise 4.8 is a future-proof software suite that is ready to meet the highest standards for flexibility and ease of use. Designed to work at large deployments, you will appreciate in value its stability even in the hardest conditions of restricted bandwidth and minimal hardware footprint.

As a unified security management system, Axxon Intellect integrates any and all security applications, systems and devices – including new IP-based systems, best-of-breed point solutions and products, and legacy devices – into a single environment.

Because it's built with an object-oriented architecture, Axxon Intellect is easy to install, easy to use, and easy to manage. The system is easily expanded, so as your company reaches new levels of growth, you can build on your initial investments. You'll never have to put your company through the frustration or financial stress of changing systems.

Axxon Intellect has built-in intelligent video and audio analytics to recognize events as they occur, and the ability to respond appropriately.

The Intellect Enterprise modules can be installed and launched at different computers connected over a network, thus providing a complete solution for remote operation, control, and monitoring.

- Unlimited scalability
- Hybrid system to manage analog and IP cameras simultaneously
- Integration with access control, intruder alert and fire alarm systems
- Video and Audio Analysis, and Forensic Search
- Additional modules: POS, license plate recognition, facial recognition and face search, road traffic monitoring
- Fully customizable GUI
- Event-driven management model
- Video compression: H.264, MPEG-4, MJPEG, Motion Wavelet (native)
- Megapixel camera compatibility
- Panoramic (fisheye) camera image dewarping
- Support for external storage
- Notification Services (Voice, SMS, MMS, Email)
- Advanced web-based reporting system
- Video signal quality control
- Failover service
- Mobile & web access



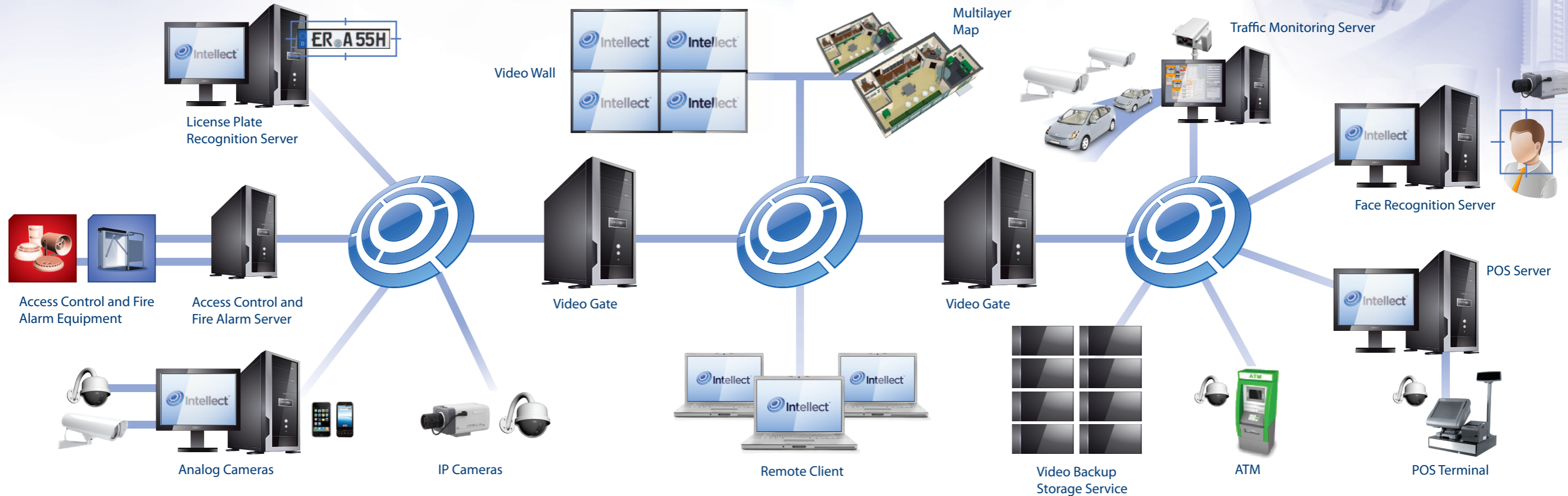
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System architecture

Axxon Intellect 4.8

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Powerful system for video and audio analysis

Axxon Intellect Enterprise 4.8 incorporates a powerful system for analysis of video images. It includes the following video detection tools:

- motion – captures any movement in the scene
- background change – triggered when an attempt is made to turn the camera
- drop of image quality – triggered when the image quality deteriorates due to blurring, soiling or blinding of the lens or darkening of the image, etc.
- abandoned objects – triggered when an object (briefcase, box, bag, etc.) appears in the scene and remains motionless for some time
- cross line – triggered when a moving object crosses the virtual line in the user-specified direction
- motion in a restricted area – recognizes movement in a user-specified area
- stopping in a restricted area – triggered when any object stops and remains motionless for some time within a user-specified area

- loitering – triggered when an object remains in a user-specified area for some time
- zone entry – triggered when any object appears within a user-specified area
- zone exit – triggered when the object leaves the user-specified area or when the object located in the area disappears from the camera's field of view
- on-board video analytics on IP cameras
- audio analytics: broken glass and car alarms
- store traffic counting and queue management.

Forensic search

Forensic Search is a system for searching through video recordings in the archive. During video recording, Forensic Search records the characteristics of all moving objects in the scene.

Forensic Search allows searching the video footage for records that match certain parameters: area and direction of motion of an object, its speed, size and color, etc. Within seconds, Forensic Search finds all records that match the user's query.

auto Intellect™

Axxon's License Plate Recognition module, powered by the Adaptive Recognition engine and integrated into Axxon Intellect, is ideal for both law enforcement agencies and commercial enterprises (parking operators).

The Traffic Control module gives you the real-time traffic data necessary to optimize traffic flows, foresee problems, and ease traffic congestion. Traffic detectors warn you of possible bottlenecks and give you the guidance you need to assess gridlock, prevent roadblocks, supervise traffic flows and monitor road capacity usage for long-term planning.

face Intellect™

Axxon Intellect Enterprise 4.8 includes a Face Recognition and Face Search modules, powered by Cognitec and VeriLook face recognition engines. The Face Recognition module automatically detects and captures a human face within the video frame and compares it to photos database in order to positively identify persons of interest. The Face Search module creates a database of all faces captured by video cameras and lets you search the database for similar faces.

- People identified regardless of facial hair, hairstyle, eyewear, aging or angle, and in a variety of background conditions.
- Easy integration with existing systems.
- Automatic synchronization with user databases.
- Integration with access control systems.

pos Intellect™

Axxon Intellect's integrated POS system synchronizes a video image of the cash area and text on each check, and lets you keep a close eye on the process of exchanging goods for cash.

- Synchronous data display: the text of receipts is superimposed over video of transactions.
- Notification of suspicious activities: giving money back, providing discounts, canceling purchases, etc.
- Store traffic counting and queue management capabilities can be used to analyze workloads and optimize store operations.
- Flexible networking capabilities over LAN, WAN or dial-up connections.
- Easy integration with most popular POS terminals. For terminals that aren't supported out of the box, we'll provide you with a customized solution.