

AXIS Video Hosting System

Server software for hosting of video monitoring services.



- > Remote viewing and control
- > Easy customization and installation
- > Scalable architecture
- > H.264 video compression
- > One-Click Camera Connection

AXIS Video Hosting System (AVHS) is a platform for creating a service provider-specific portal to manage video monitoring services over the Internet. Connect Axis' network video products to a local area network at monitored sites and the AVHS system will provide easy and secure Internet access to live and recorded video accessible from any location.

The system is easily scalable and the number of sites and camera installations are limited only by disk space, bandwidth and system configuration. It allows for easy administration of multiple user accounts and permission levels, as well as user-specific camera settings.

Support for H.264 video compression significantly reduces the need for Internet bandwidth without compromising image quality.

To save bandwidth and storage the software supports scheduled and event-driven recordings initiated by motion or external inputs. Manual recording can be defined directly in the service portal's live view interface and event notifications can be received via email, or SMS.

AVHS includes recording search functions with calendar visualization and export functionality, and navigation tools that provide quick access to cameras and recordings. The system also supports control of PTZ cameras.

The software is developed with focus on ease-of-use and intuitive handling. The user interface is easy to customize to meet service provider requirements and graphic identity.

The patent pending One-Click Camera Connection feature makes it easy to include cameras in the system regardless of internet service provider, routers and firewall settings.

Technical Specifications – AXIS Video Hosting System

Camera		System	
Models	Compatible with Axis network video products	User administration	Individual settings for resolutions and storage limit Group settings for resolutions and storage limit
Number of channels	Unlimited (hardware and bandwidth dependent)	Minimum client requirements	Browser – Internet Explorer 7.0 or higher, Firefox 3.0 or higher, Safari 3 or higher
Video		Minimum system requirements	Linux operating system with 32-bit or 64-bit support. Apache2 with SSL support MySQL database PHP5
Video compression	H.264 MPEG-4 Part 2 Motion JPEG	Hardware requirements*	Intel Xeon 3.0 GHz or better Minimum 4 GB RAM 100 GB local hard drive Redundant Host Bus Adapters Gigabit Ethernet connection RAID storage with 6 TB data of available data storage *number of users and usage dependent
Resolutions	Supports connected Axis network video product resolutions	Recommended network	Server side – 1 Gigabit network, multiple connections Client side – One camera live view: Approx. 0,1 Mbit/s, 5 fps in 320 x 240 resolution
Recording frame rate	Up to 30 fps	Integration	Open HTTP-based API for integration with other systems, such as alarm panel or point of sales systems
Audio		General	
Audio streaming	Two-way audio (camera dependent)	Languages	English language file included. Possibility to localize.
Audio compression	G711 (camera dependent)	Included accessories	Getting started document Reference manual User's manual
Recording server		More information is available at www.axis.com	
Security	Multiple user access levels with password protection Secure communication		
Installation and setup	Easy installation supporting One-Click Camera Connection		
Recording storage	Record directly to local and network disks Duration can be limited per camera to conform to local legal requirements		
Live view			
Camera live view	Flexible live view configuration for multiple cameras		
PTZ support	Control of PTZ and PTZ dome cameras		
Playback			
Playback	Motion JPEG, MPEG-4, H.264		
Triggers & Events recording			
Event recording	Events triggered by video motion detection, PIR, input signal Manual trigger		
Scheduled recording	Schedule per camera allows customization of weekday and weekend recordings		
Motion detection	Advanced camera based video and PIR motion detection for low bandwidth utilization		
Input/output control	Basic control of cameras' digital inputs/outputs		
Alarm notification	E-mail server and SMS gateway required		
Logs	Alarm, event, audit log		

AVHS network products

Axis Video Hosting System software is compatible with most Axis network video products.



Optional accessories

Network Attached Storage (NAS) Iomega StorCenter ix2-200/ ix4-400 Cloud Edition: Reduces the upstream bandwidth needs and allows video to be recorded at higher frame rates and resolutions.

