AXIS Camera Station Pro
Powerful and flexible video management and access control

Verified to ensure smooth operations with Axis IP products including network cameras, body worn cameras, door controllers, intercoms, speakers, analytics, as well as third-party cameras, this feature-rich, server-based VMS combines video and access control for efficient and active security. It provides the flexibility you need to fully control your system on your private network with optional cloud connectivity. It's easy to manage video and access control. The intuitive interface includes live view, data insight dashboard, replay, AI based search, export, video redaction for protection of third-party privacy, and a powerful action rule engine. Secure standards and built-in cybersecurity features enable secure behavior.

> **All-in-one video surveillance and access control**

> **VMS optimized for Axis products**

> **Private network setup with optional cloud connectivity**

> **Intuitive design with a user-friendly interface**

> **Powerful feature set for active operation**

AXIS Camera Station Pro

System features

Supported products	**Axis network products:** Network cameras and encoders, PTZ and thermal cameras with firmware 4.30 or later Audio system products Network door controllers Network intercoms Network I/O relay modules Radar system products Body worn system For a complete list of supported Axis products go to the AXIS Camera Station Pro product support page. **Third-party products:** 2N IP Intercoms version 2.32.0 and later Third-party devices must comply with IEC62676-2-31 and IEC62676-2-32 standards, and be ONVIF Profile S conformant. Continuous recording of video stream through direct RTSP URL
Storage	Validated Axis storage such as the Axis S series network video recorders and appliances, local hard drives or high performance NAS for storage Unlimited recording database, limited only by disk space Retention can be limited per camera to conform to local legal requirement. Failover recording on devices with SD card when connection to the AXIS Camera Station Pro server is lost unexpectedly. Fallback recording on AXIS S30 Recorder Series when connection to the AXIS Camera Station Pro server is lost.
Application Programming Interface	API for software integration[a] available to approved partners on request.
Configuration	Automatic configuration via import of settings from an AXIS Site Designer project
Clients	Client application for Windows for direct server access or remote access using AXIS Secure Remote Access Mobile app for iOS and Android for direct server access or remote access using AXIS Secure Remote Access AXIS Camera Station Pro web client for direct server access AXIS Camera Station cloud web client using Axis Cloud Connect for server access 300 GB included monthly relay data for AXIS Camera Station cloud web client and AXIS Secure Remote Access, per organization
Multi-server system	Clients can connect to multiple servers simultaneously.
Installation	Test system installation with AXIS Installation Verifier System test report with AXIS Installation Verifier
Alert tabs	Receive system alarms and alerts from action rules. Links to alarm recordings
Security	Multiple user access levels with password protection using local or Windows domain users (Active directory) HTTPS protected connection between the server and devices AES-256 encrypted connection between server and client All connections support TLS 1.2 or higher Support for Kerberos
Schedules	Per camera for recording and action rules Access control: Per access rule and identification profile Customization of override schedules
Event triggers	Device events, ACAP events, and other events: AXIS Object Analytics, motion detection, system event and error, input/output, action button, external HTTPS, AXIS Perimeter Defender, access control events via door controller, third-party applications, and more.
Event actions	Various actions including record, raise alarm, send email, live view, set output, send HTTP notification and access control
Event log	Alarm, event and audit logs
Licenses	**License types:** Core Device License for Axis devices and 2N IP intercoms Universal Device License for all types of supported devices, Axis, 2N, compatible third-party devices as well as RTSP direct stream URLs. Licenses are available as:

1 and 5 year subscription licenses for use with free choice of hardware and virtual machines.
NVR lifetime licenses are provided bundled and as expansion licenses that are tied to AXIS S11, S12, S21, S22 Series recorders.
NVR Core Device licenses bundled with AXIS S Series Recorder can be upgraded to universal licenses using the Core to Universal NVR license.
90-day unlimited trial can be upgraded to licensed version

System health monitoring	Multiple systems on private network and cloud
Search	Object and free text search[b] with smart search 2 Access control events linked with video recordings License plate information captured by AXIS License Plate Verifier Speed data captured by AXIS Speed Monitor Automatic access control bookmarks Automatic backup of offline events on door controllers

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile MPEG-4 Motion JPEG
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 and H.265 ABR H.264/H.265 for continuous recordings
Resolution	Supports all camera resolutions up to 20 megapixels including 4K Ultra HD
Frame rate	Up to 180 fps per camera for the Windows client Up to 60 fps with 1080p and 30 fps with 4K for the mobile app on iOS and Android
Pan/Tilt/Zoom	Control of PTZ and dome cameras using mouse, keyboard or joystick Area zoom for Axis cameras Programmable hotkeys Support for PTZ priority
Live view	Flexible live view configuration, Axis Corridor Format, multiple monitors, hot spot, camera/view sequence, site maps, web page, digital PTZ, dewarp, onscreen control and action buttons
Recording playback	Search for recordings based on camera, date and timeline visualization, smart search, video scrubbing, bookmarks, locking of prioritized recordings. Up to 64x or frame by frame Up to 36 cameras synchronized playback Single images in JPEG format
Recording export	Manual and scheduled export Digital signature on exported recordings, standalone player Video redaction before exporting to protect third-party privacy Incident report to manage case information Notes added to video sequences Password protection when exporting to ZIP Export to ASF, MP4 and MKV

Audio

Audio streaming	Two-way, half duplex and full duplex for Axis devices (if supported by device) One-way for third-party cameras Echo cancellation and noise reduction[c]
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz

Access control

Configuration	Active Directory integration for cardholder management Wireless door configuration Door and zone configuration with color-coded printable PIN chart Copy door configuration Multi-factor authentication for door access Customizable card format and PIN length setup
Cardholder management	Global cardholder management with multi-server system Cardholder with support for customized fields, photo, name, ID, email, exempt rule for lockdown, and anti-passback Credential enrollment with support for card, PIN and duress PIN, QR codes (dynamic and static), and license plates

	Cardholder groups Search for cardholders and cardholder groups Qualified for 10,000 cardholders and 5 credentials for each cardholder
Access management	Create and edit access rules combining cardholders, doors and schedules. Apply schedule to unlock a door with support for first person.
Door dashboard	Recent or bookmarked door transactions with cardholder names and photos for verification Door alarms including door open too long and door forced open Door physical status and lock status Graphical maps for system overview and door control
Manual door control	Lock, unlock, access and lockdown actions applied to multiple doors and zones
Security controls	Anti-passback, two-person rule, lockdown, double swipe, first person in, duress PIN, tailgating access control through AXIS People Counter
Hardware guidelines	
General	See *Hardware guidelines* in the AXIS Camera Station Pro installation and migration guide.
Scalability	AXIS S30 Recorder Series offloads the AXIS Camera Server. Go to the AXIS S30 Recorder Series product page on axis.com for more information. Qualified for up to 1000 doors on servers with access control devices only.
Multi-server system	All systems with higher performance requirements than above shall have multiple servers. Add more AXIS Camera Station Pro servers and divide the bandwidth load equally per server with each server within above specifications.
Monitor	For multi-screen support (up to 4 monitors per graphic card) or multi-4K stream support, we recommend using graphic cards with more dedicated video memory than 2 GB (HDMI 2.0

	or Display Port 1.2 support required). For example: NVIDIA® QUADRO® P620
General	
Optional cloud services	License management, server monitoring, cloud web client, device management, user management In order to ensure compatibility with the Axis provided cloud services the AXIS Camera Station Pro server must be updated on a regular basis in compliance with Axis instructions.
Operating system	We recommend Windows 11 for new systems. AXIS Camera Station Pro also supports: Windows 10, 11 Windows Server 2016, 2019, 2022 and later For all supported operating systems, see release notes at *axis.com*.
Web browser	The web client for AXIS Camera Station Pro supports the following browsers: Chrome version 56 and later Edge (Chromium) version 79 and later Safari version 11 and later
Optional accessories	AXIS TU9001 Control Board For more accessories, see *axis.com*.
Languages	English, Czech, French, German, Italian, Japanese, Korean, Russian, Spanish, Arabic, Chinese (Simplified), Chinese (Traditional), Dutch, Finnish, Persian, Polish, Portuguese (Brazil), Romanian, Swedish, Thai, Turkish, Vietnamese, and Hebrew

a. *No API available for access control.*
b. *The free text search feature connects once a week to Axis cloud services to check if the AI models require any updates to comply with future regulations or requirements. Free text search performs all processing locally on your server and does not use the internet connection to send any video, images, or prompt texts. See below for information about the intended and responsible use and limitations of the free text feature. Requires a minimum of 16GB of RAM.*
c. *For full duplex communication, devices without echo cancellation require the use of headphones.*

Free text search

Intended use and limitations

The intended use of free text search in Smart Search 2 is to facilitate fast and efficient forensic video analysis, helping investigators to quickly locate and review relevant footage from Axis cameras. This AI search feature does not perform analyses of biometric data but on similarities in objects in the footage. Please note that English is the intended language to use in queries and the accuracy of Smart Search 2 results depends on various factors, including the performance of the underlying AI models, image resolution, camera placement, lighting conditions. For certain search features the result also depends on the content of the recorded material since the function will present what it statistically considers to be the nearest match.

By enabling free text search in Smart search 2, you acknowledge that results may contain inaccuracies or omissions. We recommend exercising caution when relying on these results for critical decision-making purposes. You are responsible for cautiously reviewing and verifying all findings. Smart Search 2 results are provided "as-is", without warranties of any kind. You assume full responsibility for any risks associated with incorrect or incomplete information.

Responsible use

By enabling free text search in Smart Search 2, you acknowledge the intended use and accept these terms for responsible use. This feature may not be used for any unlawful, harmful, harassing, or abusive activity, or in a manner that violates the rights of any natural person. You are fully responsible for the searches you perform. Axis has built search moderation into our platform to prevent misuse and reduce the risk of this AI search being used in ways that could be harmful and you also agree not to circumvent, attempt to circumvent, or disable any of these protective measures implemented by Axis.

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