

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 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 integration¹ 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 v2
Mobile app for iOS and Android for direct server access or remote access using AXIS Secure Remote Access v2
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 v2, 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

1. No API available for 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 search² 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 reduction³

Audio encoding

AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726

ADPCM 8 kHz

2. 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.

3. For full duplex communication, devices without echo cancellation require the use of headphones.

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

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.