

# 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 all supported AXIS OS versions<sup>1</sup>

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 integration<sup>2</sup> 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. Latest active AXIS OS and the most recent version of each Long-Term Support (LTS) track.

2. 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 search<sup>3</sup> 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  
AV1

### 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

### 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<sup>4</sup>

### Encoding

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

3. 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.

4. 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](http://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 2025  
For all supported operating systems, see release notes at [axis.com](http://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](http://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.