

# 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, smart 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

<b>Supported products</b>	<p>Axis network products: Network cameras and encoders, PTZ and thermal cameras with firmware 4.30 or later</p> <p>Audio system products Network door controllers Network intercoms Network I/O relay modules Radar system products Body worn system</p> <p>For a complete list of supported Axis products go to the <a href="#">AXIS Camera Station Pro product support page</a>.</p> <p><b>Third-party products:</b> 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</p>
<b>Storage</b>	<p>Validated Axis storage such as the Axis S series network video recorders and appliances, local hard drives or high performance NAS for storage</p> <p>Unlimited recording database, limited only by disk space Retention can be limited per camera to conform to local legal requirement.</p> <p>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.</p>
<b>Application Programming Interface</b>	API for software integration <sup>a</sup> available to approved partners on request.
<b>Configuration</b>	Automatic configuration via import of settings from an AXIS Site Designer project
<b>Clients</b>	<p>Client application for Windows for direct server access or remote access using AXIS Secure Remote Access</p> <p>Mobile app for iOS and Android for direct server access or remote access using AXIS Secure Remote Access</p> <p>AXIS Camera Station Pro web client for direct server access</p> <p>AXIS Camera Station cloud web client using Axis Cloud Connect for server access</p> <p>300 GB included monthly relay data for AXIS Camera Station cloud web client and AXIS Secure Remote Access, per organization</p>
<b>Multi-server system</b>	Clients can connect to multiple servers simultaneously.
<b>Installation</b>	<p>Test system installation with AXIS Installation Verifier</p> <p>System test report with AXIS Installation Verifier</p>
<b>Alert tabs</b>	<p>Receive system alarms and alerts from action rules.</p> <p>Links to alarm recordings</p>
<b>Security</b>	<p>Multiple user access levels with password protection using local or Windows domain users (Active directory)</p> <p>HTTPS protected connection between the server and devices</p> <p>AES-256 encrypted connection between server and client</p> <p>All connections support TLS 1.2 or higher</p> <p>Support for Kerberos</p>
<b>Schedules</b>	<p>Per camera for recording and action rules</p> <p>Access control: Per access rule and identification profile</p> <p>Customization of override schedules</p>
<b>Event triggers</b>	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.
<b>Event actions</b>	Various actions including record, raise alarm, send email, live view, set output, send HTTP notification and access control
<b>Event log</b>	Alarm, event and audit logs
<b>Licenses</b>	<p><b>License types:</b> 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.</p> <p>Licenses are available as:</p>

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

<b>System health monitoring</b>	Multiple systems on private network and cloud
<b>Data search</b>	<p>Object search with smart search 2</p> <p>Access control events linked with video recordings</p> <p>License plate information captured by AXIS License Plate Verifier</p> <p>Speed data captured by AXIS Speed Monitor</p> <p>Automatic access control bookmarks</p> <p>Automatic backup of offline events on door controllers</p>
<b>Video</b>	
<b>Video compression</b>	<p>H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles</p> <p>H.265 (MPEG-H Part 2/HEVC) Main Profile</p> <p>MPEG-4</p> <p>Motion JPEG</p>
<b>Video streaming</b>	<p>Multiple, individually configurable streams in H.264, H.265 and Motion JPEG</p> <p>Controllable frame rate and bandwidth</p> <p>Axis Zipstream technology in H.264 and H.265</p> <p>ABR H.264/H.265 for continuous recordings</p>
<b>Resolution</b>	Supports all camera resolutions up to 20 megapixels including 4K Ultra HD
<b>Frame rate</b>	<p>Up to 180 fps per camera for the Windows client</p> <p>Up to 60 fps with 1080p and 30 fps with 4K for the mobile app on iOS and Android</p>
<b>Pan/Tilt/Zoom</b>	<p>Control of PTZ and dome cameras using mouse, keyboard or joystick</p> <p>Area zoom for Axis cameras</p> <p>Programmable hotkeys</p> <p>Support for PTZ priority</p>
<b>Live view</b>	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
<b>Recording playback</b>	<p>Search for recordings based on camera, date and timeline visualization, smart search, video scrubbing, bookmarks, locking of prioritized recordings.</p> <p>Up to 64x or frame by frame</p> <p>Up to 36 cameras synchronized playback</p> <p>Single images in JPEG format</p>
<b>Recording export</b>	<p>Manual and scheduled export</p> <p>Digital signature on exported recordings, standalone player</p> <p>Video redaction before exporting to protect third-party privacy</p> <p>Incident report to manage case information</p> <p>Notes added to video sequences</p> <p>Password protection when exporting to ZIP</p> <p>Export to ASF, MP4 and MKV</p>
<b>Audio</b>	
<b>Audio streaming</b>	<p>Two-way, half duplex and full duplex for Axis devices (if supported by device)</p> <p>One-way for third-party cameras</p> <p>Echo cancellation and noise reduction<sup>b</sup></p>
<b>Audio encoding</b>	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz
<b>Access control</b>	
<b>Configuration</b>	<p>Active Directory integration for cardholder management</p> <p>Wireless door configuration</p> <p>Door and zone configuration with color-coded printable PIN chart</p> <p>Copy door configuration</p> <p>Multi-factor authentication for door access</p> <p>Customizable card format and PIN length setup</p>
<b>Cardholder management</b>	<p>Global cardholder management with multi-server system</p> <p>Cardholder with support for customized fields, photo, name, ID, email, exempt rule for lockdown, and anti-passback</p> <p>Credential enrollment with support for card, PIN and duress PIN, QR codes (dynamic and static), and license plates</p>

	Cardholder groups Search for cardholders and cardholder groups Qualified for 10,000 cardholders and 5 credentials for each cardholder
<b>Access management</b>	Create and edit access rules combining cardholders, doors and schedules. Apply schedule to unlock a door with support for first person.
<b>Door dashboard</b>	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
<b>Manual door control</b>	Lock, unlock, access and lockdown actions applied to multiple doors and zones
<b>Security controls</b>	Anti-passback, two-person rule, lockdown, double swipe, first person in, duress PIN, tailgating access control through AXIS People Counter

#### Hardware guidelines

<b>General</b>	See <i>Hardware guidelines</i> in the AXIS Camera Station Pro installation and migration guide.
<b>Scalability</b>	AXIS S30 Recorder Series offloads the AXIS Camera Server. Go to the AXIS S30 Recorder Series product page on axis.com for more information.
<b>Multi-server system</b>	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.
<b>Monitor</b>	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](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), Swedish, Thai, Turkish, Vietnamese, and Hebrew

- No API available for access control.
- For full duplex communication, devices without echo cancellation require the use of headphones.