

AXIS V5925 PTZ Camera

Broadcast-quality HDTV 1080p PTZ camera

AXIS V5925 combines excellent image quality with smooth PTZ control and broadcast-quality audio for professional webcasting. It's compatible with VISCA joysticks and VISCA over IP, making it easy to integrate with your existing AV installations. Offering enhanced security features such as signed firmware and secure boot, it ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264 and H.265 significantly reduces bandwidth and storage requirements without compromising image quality. NDI[®] compliant (license to be bought separately).

- > **HDTV 1080p at 60 fps and 30x zoom**
- > **High-quality audio with XLR inputs**
- > **VISCA and VISCA over IP support**
- > **Camstreamer 3-month trial included**
- > **3G-SDI and HDMI outputs**



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Camera	
Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	4.4–132 mm, F1.4–4.6 Horizontal field of view: 62°–2.3° Vertical field of view: 37°–1.3° Autofocus, P-iris control
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 1.0 lux at 30 IRE F1.4 B/W: 0.03 lux at 30 IRE F1.4
Shutter speed	1/10000 s to 1 s
Pan/Tilt/Zoom	Pan: ±170°, 0.2–100°/s Tilt: –20° – 90°, 0.2–90°/s Zoom: 30x Optical, 12x Digital, Total 360x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles
System on chip (SoC)	
Model	ARTEPEC-7
Memory	1 GB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	1920x1080 HDTV 1080p to 160x90 HDMI/SDI Output: 1080p@50/60 fps (50/60 Hz)
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 HDMI HD-SDI: SMPTE 292 3G-SDI: SMPTE 424 ,SMPTE 425 (3G-SDI mapping supports Level A / Level B dual link mapping)
Image settings	Saturation, brightness, sharpness, white balance, day/night threshold, exposure mode, exposure zones, defogging, rotation: 0°, 180°
Audio	
Audio streaming	Two-way, stereo HD-SDI: SMPTE ST 299-1 3G-SDI: SMPTE ST 299-2
Audio encoding	SDI: AES3 24 bit, 48 kHz HDMI: LPCM Network: AAC LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz, Configurable bit rate
XLR input	2 balanced inputs (left/right) Microphone phantom power 48 V Balanced external microphone Balanced line level Line input impedance: >10 kOhm Maximum input level: 4.4 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 85 dB @ 0 dB gain, > 78 dB @ 30 dB gain
3.5 mm input	Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line Line input impedance: >10 kOhm Maximum input level: 2.2 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain
3.5 mm output	3.5 mm unbalanced stereo output

Output impedance: < 100 Ohm, short circuit proof
Maximum output level: > 0.707 Vrms
Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate
THD+N: < 0.03% @ 10 kOhm load
Signal-to-Noise ratio: > 87 dB

SDI output
Bandwidth: 20 Hz – 20 kHz (±3 dB)
THD+N: < 0.03%
Signal-to-Noise ratio: > 87 dB

HDMI output
Bandwidth: 20 Hz – 20 kHz (±3 dB)
THD+N: < 0.03%
Signal-to-Noise ratio: > 87 dB

Network Security
IP address filtering, HTTPS^a encryption, IEEE 802.1x (EAP-TLS)^a network access control, user access log, centralized certificate management

Network protocols
IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS^a, TLS^a, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf), HDMI, 3G-SDI, VISCA

System integration

Application Programming Interface
Open API for software integration, including VAPIX[®] and AXIS Camera Application Platform; specifications at [axis.com](#)
One-click cloud connection
ONVIF[®] Profile G, ONVIF[®] Profile M, ONVIF[®] Profile S, ONVIF[®] Profile T, specification at [onvif.org](#)
Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.

Event conditions
Analytics, external input, edge storage events, virtual inputs through API
Audio: audio detection
Call: state, state change
Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature
Edge storage: recording ongoing, storage disruption
I/O: digital input, manual trigger, virtual input
MQTT subscribe
PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready
Scheduled and recurring: scheduled event
Video: average bitrate degradation, live stream open

Event actions
MQTT publish
Record video: SD card and network share
Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Pre- and post-alarm video or image buffering for recording or upload
Notification: email, HTTP, HTTPS, TCP and SNMP trap
PTZ: PTZ preset
Overlay text, external output activation, play audio clip, zoom preset, day/night mode, make call

Data streaming
Event data

Built-in installation aids
Pixel counter, leveling guide

Analytics

Applications
Included
AXIS Video Motion Detection, AXIS PTZ Autotracking
Support for AXIS Camera Application Platform enabling installation of third-party applications, see [axis.com/acap](#)

Cybersecurity

Edge security
Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption
Hardware: Secure boot

Network security
IEEE 802.1X (EAP-TLS)^a, HTTPS/HSTS^a, TLS v1.2/v1.3^a, Network Time Security (NTS), X.509 Certificate PKI, IP address filtering

Documentation	<p><i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity</p>
General	
Casing	<p>ASA plastic cover Color: White NCS S 1002-B</p>
Power	11–13 V DC (12 V power supply included), typical 14 W, max 25 W
Connectors	<p>RJ45 10BASE-T/100BASE-TX Terminal block for 2 configurable alarm input/output 3.5 mm stereo mic/line in, 3.5 mm stereo line out XLR-3 (left + right) mic/line in (with 48 V phantom power) HDMI Type A, BNC for SDI DC input RS232 serial connector for VISCA</p>
Storage	<p>Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com</p>
Operating conditions	<p>0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)</p>
Storage conditions	<p>–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5 – 95% RH (non-condensing)</p>

Approvals	<p>EMC EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, KC-Mark, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78 Network NIST SP500-267</p>
Dimensions	<p>Height: 180 mm (7.1 in) ø 136 mm (5.4 in)</p>
Weight	1.5 kg (3.3 lb)
Included accessories	Power supply, wall/ceiling mount, terminal connector for I/O, installation guide, Windows® decoder user license, Camstreamer 3-month trial
Optional accessories	<p>AXIS T8310 Video Surveillance Control Board AXIS VISCA Cable For more accessories, see axis.com</p>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*