

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**

AXIS V5925 PTZ Camera

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: $\pm 170^\circ$, 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

ARTPEC-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°

Signal-to-noise ratio

>55 dB

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

Network protocols

IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS¹, TLS¹, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, 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/developer-community.

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

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eyay@cryptosoft.com).

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 OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption
Hardware: Secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)²,
IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS², TLS v1.2/v1.3², Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation

AXIS OS Hardening Guide

Axis Vulnerability Management Policy

Axis Security Development Model

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

General

Casing

ASA plastic cover

Color: White NCS S 1002-B

Power

11–13 V DC (12 V power supply included), typical 14 W, max 25 W

Connectors

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

Storage

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

Operating conditions

0 °C to 40 °C (32 °F to 104 °F)

Humidity 10–85% RH (non-condensing)

Storage conditions

–40 °C to 65 °C (–40 °F to 149 °F)

Humidity 5 – 95% RH (non-condensing)

Approvals

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

Dimensions

Height: 180 mm (7.1 in)

Ø 136 mm (5.4 in)

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

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

Optional accessories

AXIS T8310 Video Surveillance Control Board

AXIS VISCA Cable

For more accessories, see [axis.com](https://www.axis.com)

Languages

English, German, French, Spanish, Italian, Russian,
Simplified Chinese, Japanese, Korean, Portuguese,
Traditional Chinese, Dutch, Czech, Swedish, Finnish,
Turkish, Thai, Vietnamese

Warranty

5-year warranty, see [axis.com/warranty](https://www.axis.com/warranty)