# 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

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| **Image sensor** | Progressive scan RGB CMOS 1/2.8" |
| **Lens** | 4.4–132 mm, F1.4-4.6<br>Horizontal field of view: 62°–2.3°<br>Vertical field of view: 37°–1.3°<br>Autofocus, P-iris control |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | **Color:** 1.0 lux at 30 IRE F1.4<br>**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<br>**Tilt:** -20° - 90°, 0.2-90°/s<br>**Zoom:** 30x Optical, 12x Digital, Total 360x<br>256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles |

## System on chip (SoC)

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| **Model** | ARTPEC-7 |
| **Memory** | 1 GB RAM, 512 MB Flash |

## Video

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG |
| **Resolution** | 1920x1080 HDTV 1080p to 160x90<br>**HDMI/SDI Output:**<br>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<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>HDMI<br>**HD-SDI:** SMPTE 292<br>**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

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| **Audio streaming** | Two-way, stereo<br>**HD-SDI:** SMPTE ST 299-1<br>**3G-SDI:** SMPTE ST 299-2 |
| **Audio encoding** | SDI: AES3 24 bit, 48 kHz<br>HDMI: LPCM<br>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)<br>Microphone phantom power 48 V<br>Balanced external microphone<br>Balanced line level<br>**Line input impedance:** >10 kOhm<br>**Maximum input level:** 4.4 Vrms<br>**Bandwidth:** 20 Hz - 20 kHz (±3 dB), may be limited by sample rate<br>**THD+N:** < 0.03%<br>**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<br>Unbalanced external microphone<br>Unbalanced line<br>**Line input impedance:** >10 kOhm<br>**Maximum input level:** 2.2 Vrms<br>**Bandwidth:** 20 Hz - 20 kHz (±3 dB), may be limited by sample rate<br>**THD+N:** < 0.03%<br>**Signal-to-Noise ratio:** > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain |
| **3.5 mm output** | 3.5 mm unbalanced stereo output |

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

## Network

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| **Network protocols** | IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, 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

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com*<br>One-click cloud connection<br>ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, ONVIF® Profile T, specification at *onvif.org*<br>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<br>Audio: audio detection<br>Call: state, state change<br>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<br>Edge storage: recording ongoing, storage disruption<br>I/O: digital input, manual trigger, virtual input<br>MQTT subscribe<br>PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready<br>Scheduled and recurring: scheduled event<br>Video: average bitrate degradation, live stream open |
| **Event actions** | MQTT publish<br>Record video: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email<br>Pre- and post-alarm video or image buffering for recording or upload<br>Notification: email, HTTP, HTTPS, TCP and SNMP trap<br>PTZ: PTZ preset<br>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

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| **Applications** | Included<br>AXIS Video Motion Detection, AXIS PTZ Autotracking<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap* |

## Cybersecurity

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| **Edge security** | **Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption<br>**Hardware:** Secure boot |
| **Network security** | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2),<br>IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall |

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| **Documentation** | *AXIS OS Hardening Guide*<br>*Axis Vulnerability Management Policy*<br>*Axis Security Development Model*<br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to *axis.com/support/cybersecurity/resources*<br>To read more about Axis cybersecurity support, go to *axis.com/cybersecurity* |

## General

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| **Casing** | ASA plastic cover<br>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<br>Terminal block for 2 configurable alarm input/output<br>3.5 mm stereo mic/line in, 3.5 mm stereo line out<br>XLR-3 (left + right) mic/line in (with 48 V phantom power)<br>HDMI Type A, BNC for SDI<br>DC input<br>RS232 serial connector for VISCA |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *axis.com* |
| **Operating conditions** | 0 °C to 40 °C (32 °F to 104 °F)<br>Humidity 10-85% RH (non-condensing) |
| **Storage conditions** | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5 - 95% RH (non-condensing) |

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| **Approvals** | EMC<br>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<br>Safety<br>IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, KC-Mark, IS 13252<br>Environment<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78<br>Network<br>NIST SP500-267 |
| **Dimensions** | Height: 180 mm (7.1 in)<br>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 |
| **Optional accessories** | AXIS T8310 Video Surveillance Control Board<br>AXIS VISCA Cable<br>For more accessories, see *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* |

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