

# AXIS V5914 PTZ Network Camera

Live streaming with high-quality audio and HDTV 720p



- > HDTV video streaming
- > 30x optical zoom with autofocus
- > Smooth pan tilt and zoom
- > CD-quality stereo audio
- > Support for SDI and HDMI

AXIS V5914 Network Camera offers HDTV 720p resolution with smooth pan/tilt/zoom, high quality audio and powerful 30x zoom. It is designed to stream and webcast audio and video in a variety of applications. The open interface makes it easy to integrate with other systems and share information with a broader audience such as in auditoriums, classrooms, as well as peer-to-peer communication in video conferencing.

AXIS V5914 offers high-definition video in HDTV 720p resolution. Camera settings are optimized to produce video with high-color fidelity in studio environments.

The smooth pan/tilt/zoom function is easy to control from the camera's web pages and makes it possible to follow movements in a live production situation and zoom in on details of interest.

AXIS V5914 offers high-quality audio streaming in stereo. The camera is fitted with audio connectors that meets most requirements for professional audio processing and enables connection of high-quality microphones and speakers.

The support for AXIS Streaming Assistant enables easy setup of peer-to-peer video conference systems, as well as live production to a larger audience. When AXIS Streaming Assistant is installed on a computer, it automatically discovers the camera on the network. The video streams can then be used in other streaming applications such as Microsoft Lync and Skype.

The camera offers SDI connectors that make it possible to integrate the product into other live production systems. AXIS V5914 can be connected to a monitor via HDMI to stream audio and video.



Connector interface for high-quality AV production



# Technical Specifications - AXIS V5914 PTZ Network Camera

<b>Models</b>	AXIS V5914 50 Hz AXIS V5914 60 Hz
<b>Camera</b>	
<b>Image sensor</b>	1/3" Progressive scan RGB CMOS
<b>Lens</b>	Autofocus, P-iris control, 4.3 - 129 mm, 58.3° - 2.1° view <sup>a</sup> , F1.6-4.7
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.6 lux at 30 IRE F1.6 B/W: 0.03 lux at 30 IRE F1.6
<b>Shutter time</b>	1/10000 s to 1 s
<b>Pan/Tilt/Zoom</b>	<b>Pan:</b> ±170°, 0.2-100°/s <b>Tilt:</b> -20° - 90°, 0.2-90°/s <b>Zoom:</b> 30x Optical, 12x Digital, Total 360x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed
<b>Video</b>	
<b>Video compression</b>	H.264 High, Baseline and Main profile (MPEG-4 Part 10/AVC), Motion JPEG
<b>Resolutions</b>	1280 x 720 (HDTV 720p) to 320 x 180 HDMI/SDI: Up to HDTV 720p
<b>Frame rate</b>	Up to 50/60 fps
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/MBR H.264, HDMI, SDI
<b>Image settings</b>	120 dB WDR-Dynamic Capture, Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Backlight compensation, Defogging, Noise reduction, Electronic image stabilization, Text and image overlay (over ethernet) Rotation: 0°, 180°
<b>Audio</b>	
<b>Audio streaming</b>	Two-way, Stereo
<b>Audio compression</b>	SDI: AES3 24 bit, 48 kHz HDMI: LPCM Network: AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, Configurable bit rate
<b>Audio input</b>	<b>XLR balanced mono input (left/right)</b> Microphone phantom power 48 V Balanced external microphone (mono) Balanced line level (mono) Maximum input level: 4.4 Vrms Bandwidth: 20 Hz - 20 kHz, may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 85 dB @ 0 dB gain, > 78 dB @ 30 dB gain <b>3.5 mm unbalanced stereo input</b> Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone (stereo) Unbalanced line (stereo) Line input impedance: < 1.7 kOhm Maximum input level: 2.2 Vrms THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain Bandwidth: 20 Hz - 20 kHz, may be limited by sample rate
<b>Audio output</b>	<b>3.5 mm unbalanced stereo output</b> Output impedance: < 100 Ohm, short circuit proof Signal-to-Noise ratio: > 87 dB Bandwidth: 20 Hz - 20 kHz, may be limited by sample rate THD+N: < 0.03% @ 10 kOhm load Maximum input level: > 0.707 Vrms <b>SDI</b> THD+N: < 0.03% Bandwidth: 20 Hz - 20 kHz Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain <b>HDMI</b> THD+N: < 0.03% Bandwidth: 20 Hz - 20 kHz Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain
<b>Audio input/output</b>	External stereo microphone input or line input, line output
<b>Network</b>	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized certificate management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, HDMI 1.4, SDI
<b>System integration</b>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection. ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Intelligent video, Edge storage events, External input
<b>Event actions</b>	File upload: FTP, SFTP, HTTP, HTTPS, network share and email, Send video clip Notification: email, HTTP, HTTPS and TCP Overlay text, Send SNMP trap, Video and audio recording to edge storage, Pre- and post-alarm video buffering, Goto PTZ preset, External output activation, Day/night vision mode, Play audio clip
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
<b>General</b>	
<b>Casing</b>	ASA plastic cover black and white, Color: White NCS S 1002-B
<b>Memory</b>	1 GB RAM, 512 MB Flash
<b>Power</b>	8-28 V DC (12 V power supply included) typical 12 W, max. 21 W
<b>Connectors</b>	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, Terminal block for DC power
<b>Edge storage</b>	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included) Support for recording to dedicated network-attached storage (NAS)
<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10-85% RH (non-condensing)
<b>Storage conditions</b>	-20 °C to 60 °C (-4 °F to 140 °F) Humidity 10 - 85% RH (non-condensing)
<b>Approvals</b>	EN 55022 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, KCC KN 22 Class A, KN 24, C-tick AS/NZS CISPR 22 Class A, IEC/EN/UL 60950-1, EN 50581
<b>Dimensions</b>	180 x 136 x 136 mm (7.1 x 5.4 x 5.4 in)
<b>Weight</b>	1.49 kg (3.3 lb)
<b>Included accessories</b>	Power supply, Wall/Ceiling mount, Terminal connector for I/O, Installation Guide, Windows decoder 1-user license
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

- a. Horizontal angle of view  
b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

More information is available at [www.axis.com](http://www.axis.com)