

# AXIS P5655-E PTZ Network Camera

## HDTV 1080p PTZ with 32x zoom and focus recall

AXIS P5655-E PTZ Network Camera is a cost-effective, high performance PTZ with HDTV 1080p and 32x optical zoom. It features Forensic WDR for clarity even when there's both dark and light areas in the scene. And, Lightfinder 2.0 to capture low-light images with more saturated colors and sharper images of moving objects. It offers electronic image stabilization and enhanced security features including signed firmware and secure boot. With IP66, NEMA 4X and IK10 ratings it's resistant to both harsh weather conditions and impacts. Plus, you get two-way audio, I/O ports and extended capabilities for advanced analytics.

- > [HDTV 1080p with 32x optical zoom](#)
- > [Forensic WDR and Lightfinder 2.0](#)
- > [Signed firmware and secure boot](#)
- > [Focus recall and EIS](#)
- > [Zipstream with support for H.264 and H.265](#)



# AXIS P5655-E PTZ Network Camera

<b>Camera</b>	
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS
<b>Lens</b>	Varifocal, 4.3–137.6 mm, F1.4 – 4.0 Horizontal field of view: 58.3° – 2.4° Vertical field of view: 35.5° – 1.4° Including EIS, barrel and pincushion distortion correction Autofocus and auto-iris
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE F1.4 B/W: 0.01 lux at 30 IRE F1.4
<b>Shutter speed</b>	1/66500 s to 2 s
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.1° – 350°/s Tilt: 180°, 0.1° – 350°/s Zoom: 32x optical, 12x digital, Total 384x zoom 256 preset positions, nadir flip, limited guard tour, control queue, on-screen directional indicator, set new pan 0°, focus window, focus recall
<b>System on chip (SoC)</b>	
<b>Model</b>	ARTPEC-7
<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)
<b>Video</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
<b>Resolution</b>	1920x1080 HDTV 1080p to 320x180
<b>Frame rate</b>	Up to 60/50 fps (60/50 Hz) in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 and H.265 VBR/ABR/MBR H.264/H.265 Low latency mode
<b>Image settings</b>	Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization, scene profiles, 20 individual polygon privacy masks
<b>Audio</b>	
<b>Audio streaming</b>	Two-way, full duplex
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
<b>Audio input/output</b>	External microphone input or line input, line output (Requires Axis 10-pin Push-pull System Connector or Axis Multicable C I/O Audio Power 1 m/5 m, not included), automatic gain control
<b>Network</b>	
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
<b>System integration</b>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Event conditions</b>	Audio: Audio detection Device status: Above operating temperature, Above or below operating temperature, Below operating temperature, Fan failure, IP address removed, Network lost, New IP address, Shock detected, 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: Camera 1, PTZ preset position reached: Camera 1, PTZ ready Scheduled and recurring: Scheduled event Video: Day-night mode, Live stream open
<b>Event actions</b>	Play audio clips, day-night mode, go to preset position, guard tour, I/O, upload of images or video clips via FTP, SFTP, HTTP, HTTPS, network share and email, notification to email, HTTP, HTTPS, TCP and SNMP trap, overlay text, prioritized text, record video to SD card and network share, WDR mode MQTT publish
<b>Built-in installation aids</b>	Pixel counter
<b>Analytics</b>	
<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Scene Metadata AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, audio detection, advanced gatekeeper, autotracker 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles <b>Scenarios:</b> line crossing, object in area, crossline counting, time in area Up to 10 scenarios <b>Other features:</b> triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>AXIS Scene Metadata</b>	<b>Object classes:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position
<b>Approvals</b>	
<b>EMC</b>	EN 55032 Class A, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1 <b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A <b>Canada:</b> ICES-003 Class A <b>Japan:</b> VCCI Class A <b>Korea:</b> KC KN32 Class A, KC KN35 <b>USA:</b> FCC Part 15 Subpart B Class A
<b>Safety</b>	IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252
<b>Environment</b>	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, EC 60068-2-78, IEC/EN 60529, IP66, IEC/EN 62262, IK10, NEMA 250 Type 4X
<b>Network</b>	NIST SP500-267, IPv6 USGv6
<b>Cybersecurity</b>	
<b>Edge security</b>	<b>Software:</b> 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 <b>Hardware:</b> Secure boot
<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), 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
<b>Documentation</b>	<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 <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="http://axis.com/cybersecurity">axis.com/cybersecurity</a>
<b>General</b>	
<b>Casing</b>	IP66-, NEMA 4X- and IK10-rated Aluminum casing, polycarbonate (PC) dome Color: white NCS S 1002-B, repaintable skin cover

	For repainting instructions of casing and impact on warranty, contact your Axis partner.
<b>Sustainability</b>	PVC free
<b>Power</b>	Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at, Type 2 Class 4 Camera consumption: typical 10.5 W, max 19 W <b>Multiconnector:</b> 20–28 V DC, typical 10 W, max 18 W 20–24 V AC, typical 15.5 V A, max 26 V A (PoE+ midspan or power supply not included)
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE RJ45 push-pull connector (IP66) included I/O connector for DC or AC input, 4 configurable alarm Inputs/outputs: mic in/line in, line out (Axis 10-pin push-pull system connector or Axis multicable C I/O audio power 1 m/5 m, (not included))
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://www.axis.com">axis.com</a>
<b>Operating conditions</b>	-30 °C to 50 °C (-22 °F to 122 °F) Maximum intermittent temperature 55 °C Humidity 10–100% RH (condensing)

<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Dimensions</b>	Height: 217 mm (8.54 in) ø 188 mm (7.4 in)
<b>Weight</b>	2.5 kg (5.5 lb)
<b>Included accessories</b>	RJ45 Push-pull Connector (IP66), hard ceiling mount, spring pipe adaptor, U-profile pipe adaptor, installation guide, Windows® decoder 1-user license
<b>Optional accessories</b>	AXIS T91B mounts, AXIS T94A02L recessed mount, outdoor RJ45 cable with premounted connector, AXIS T8133 Midspan 30 W 1-port, repaintable skin covers, smoked dome, Axis 10-pin push-pull system connector, Axis multicable C I/O audio power 1 m/5 m For more accessories, see <a href="https://www.axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://www.axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://www.axis.com/warranty">axis.com/warranty</a>