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

**Models**

**Camera**

Image sensor
1/2.8" progressive scan RGB CMOS

Lens
Varifocal, 4.3-137.6 mm, F1.4 - 4.0

Horizontal field of view:
- 58.3° - 2.4°
- Including EIS, barrel and pincushion distortion correction

Autofocus and auto-iris

**Day and night**

Automatically removable infrared-cut filter

**Minimum illumination**

Color: 0.1 lux at 30 IRE F1.4

Black and white: 0.001 lux at 30 IRE F1.4

**Shutter time**

1/66500 s to 2 s

Pan/Tilt/Zoom
Pan: 380° 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

**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 320x180

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

Controlable frame rate and bandwidth
Axis Zipstream technology in H.264 and H.265
VBR/ABR/MoBR H.264/H.265

Image settings
Compression: saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, de-blocking, 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

**Audio**

Audio streaming
Two-way

Audio compression
24bit LPCM, 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

Audio input/output
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

**Network**

Security
Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot

Supported protocols
IPv4, IPv6, USGv6, HTTP, HTTPS, SSH, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIHF/SMVB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3 (IPv4-IPv6), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTPC, ICMP, DHCP, ARP, DNS, SSD, SSH, NTP, ICMP, LLDP, CDP, MQTT

**System Integration**

Application Programming Interface
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com

AXIS Video Hosting System (AVHS) with One-Click Connection
ONVIF® Profile G and ONVIF® Profile S specification at onvif.org

**Analytics**

Included
AXIS Video Motion Detection, audio detection, advanced gatekeeper

Supported
Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ocp

**Event conditions**

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

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

**Event actions**

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

**Data streaming**

Event data

Built-in installation aids
Pixel counter

**General**

**Casing**

IP66-, NEMA 4X- and IK10

Aluminum casing, polycarbonate (PC) dome

Color: white

**Sustainability**

PVC free

Memory
1024 MB RAM, 512 MB Flash

Power
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

Multiconnector:
- 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)

Connectors
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)

Storage
Support for SD/SDHC/SDXC card

Support for SD card encryption

Support for recording to network-attached storage (NAS)

For SD card and NAS recommendations see axis.com

Operating conditions
-30 °C to + 50 °C (-22 °F to 122 °F)

Humidity 10–100% RH (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 50121-4, IEC 62234-6, EN 61000-3-2, EN 61000-3-3, EN 55034, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35

Safety
IEC/EN/UL 62368-1, IEC/EN 60950-22, IS 13252

Environment

IP66, IEC/EN 606262, K10, NEMA 250 Type 4

Network
NIST SP500-267, IPv6 USGv6

**Dimensions**

Height: 217 mm (8 9/16 in) x 188 mm (7 3/8 in)

**Weight**

2.5 kg (5.5 lb)

**Included accessories**

RJ45 Push-pull Connector (IP66), Hard ceiling mount, Spring pipe adapter, U-profile pipe adapter, Installation Guide, Windows® decoder 1-user license, AVHS Authentication key

**Optional accessories**

AXIS 1918 mounts, AXIS T9440L recessed mount, outdoor RJ45 cable with premounted connector, AXIS T8133 Midspan 30 W 1-port, repainting 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 axis.com

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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).

Environmental responsibility: axis.com/environmental-responsibility