AXIS A8105-E

Small and powerful door security

AXIS A8105-E is a small and powerful network video door station. It operates as a communication device and full-fledged security camera at the same time, providing HDTV video, audiovisual identification, two-way communication and remote entry control as a natural part of video surveillance. Open standards such as ONVIF and Session Initiation Protocol (SIP) in combination with its small size, give unique opportunities for system design, integration and installation. Wide Dynamic Range (WDR) and efficient noise cancellation ensure uncompromised performance in demanding situations, such as strong backlight or surrounding noise. Axis Digital Corridor Format easily adjusts the viewing area to the location.

> **High-quality audio and video**

> **Axis Digital Corridor Format**

> **Remote entry control**

> **SIP support**

> **Zipstream**

SIP   **ONVIF® | S**   **HDTV** NETWORK VIDEO

AXIS A8105-E

Camera

Image sensor	1/2.8" progressive scan RGB CMOS
Lens	1.56 mm, F2.8 Horizontal field of view: 180° Vertical field of view: 120° Fixed focus, IR corrected
Minimum illumination	**LED lit:** 0 lux **LED unlit (with WDR):** 2.23 lux **LED unlit (without WDR):** 1.96 lux
Shutter time	1/143000 s to 2 s with 50 Hz 1/143000 s to 2 s with 60 Hz

Video

Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline, Main, and High profiles Motion JPEG
Resolution	1920x1200 to 160x90
Frame rate	Capture modes: 1920×1200 25/20fps @50/60 Hz (WDR), 1920×1200 50/30 fps @50/60 Hz (no WDR)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, fine-tuning of behavior at low light, WDR - forensic capture, rotation: auto, 0°, 90°, 180°, 270° including Axis Digital Corridor Format, portrait/landscape, text and image overlay, mirroring of images, privacy mask
Pan/Tilt/Zoom	Digital PTZ

Audio

Audio streaming	Two-way, full duplex Echo cancellation and noise reduction
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, OPUS (in SIP calls only) Configurable bit rate
Audio input/output	Built-in microphone (can be disabled), built-in speaker 85 dB (at 0.5 m / 20 in)

Lock control

Lock integration	Integration with AXIS A9801 Safety Relay Box: 300 mA at 12 V DC Integration with AXIS A1001 Network Door Controller: maximum voltage/current: 0.7 A at 30 V

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], 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, SIP, SIPS, SRTP, SIP TLS

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 S, specification at *onvif.org*
Software	Third-party video management software and mobile applications. For compatibility, go to *axis.com*
VoIP	Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX. Tested with various SIP software such as Cisco, Bria and Grandstream Tested with various PBX softwares such as Cisco, Avaya and Asterisk AXIS Parallel Call Forking, AXIS Sequential Call Forking
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection

Support for AXIS Camera Application Platform enabling installation of additional applications, see *axis.com/acap*

Event triggers	Analytics, external input, edge storage events Call: DTMF, state, state changes Detectors: audio detection, live stream accessed, shock detection Hardware: temperature, tilt detection, network Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption, recording System: system ready Time: recurrence, use schedule
Event actions	Axis door control, video and audio recording to edge storage, Pre- and post-alarm video buffering, External output activation, Play audio clip, Overlay text, PTZ control, Status LED, WDR mode Make call: SIP, API File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP65- and NEMA 4X-rated, aluminum casing, stainless steel button, polycarbonate (PC) dome Color: White NCS S 1002-B
Sustainability	PVC free
Memory	256 MB RAM, 128 MB Flash
Power	**Power out:** 1x12 V DC, **Max. out:** 350 mA at 12 V DC **Relay:** See Lock control Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3[b]
Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 3.81 mm terminal block. 2 I/O, 12V output (max 350mA) and 1 relay
Storage	Support for microSD/microSDHC/microSDXC card Recording to network-attached storage (NAS) For SD card and NAS recommendations, see *axis.com*
Operating conditions	-25 °C to 55 °C (-13 °F to 131 °F) Humidity 10-100% RH (condensing)
Approvals	EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, RCM AS/NZS CISPR22 Class A, IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, EN 50581, IEC 60529 IP65, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, UL 294
Dimensions	H x D x W: 147.5 mm x 35 mm x 48 mm Flush mount: 217 mm x 40 mm x 105 mm
Weight	280 g (9.88 oz)
Included accessories	Installation Guide, Terminal block connector, Cable gasket, AXIS Connector guard A, AVHS Authentication key
Mounting option	Wall mount or recessed with AXIS A8105-E Flush Mount accessory.
Optional accessories	AXIS A8105-E Flush Mount, AXIS A9801 Security Relay Box, AXIS T8120 PoE Injector, AXIS TA8501 Physical Tampering Switch For more accessories, see *www.axis.com*
Video management software	Video management software from Axis and Application Development Partners (not included). For more information, see *axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *axis.com/warranty*

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
b. *Support for one lock (max. total 300 mA) . For higher power requirements connect external power (max. 30V DC 0.7A).*

Environmental responsibility:

axis.com/environmental-responsibility

AXIS®
COMMUNICATIONS