

AXIS A8207-VE Network Video Door Station

Multifunctional door station for better security solutions

AXIS A8207-VE Network Video Door Station combines a fully featured 6 MP security camera with high-quality, two-way audio communication and remote entry control. It also has an integrated RFID multi-frequency reader, allowing you to integrate with other access control systems. By providing both surveillance and access for visitors and employees, AXIS A8207-VE increases the efficiency while keeping down the number of devices at the door. Interaction is intuitive and accessible, with an induction loop for hearing aid. Analytics, such as motion or sound-based detection, are supported.

- > **6MP wide-angle camera**
- > **Multiple hardware interfaces: audio input/output, relays, HDMI output, RS485**
- > **Easy integration with SIP, VAPIX, and ONVIF**
- > **Analytics support**



SIP

ONVIF[®] | GMST

HDTV
NETWORK VIDEO

AXIS A8207-VE Network Video Door Station

Camera

Image sensor

1/2.9" progressive scan RGB CMOS

Lens

1.56 mm, F2.8

Horizontal field of view: 180°

Vertical field of view: 120°

Fixed focus, IR corrected, fixed iris

Minimum illumination

LED lit: 0.0 lux

LED unlit (with WDR): 0.7 lux

LED unlit (without WDR): 0.55 lux

Shutter speed

1/143000 s to 2 s with 50 Hz

1/143000 s to 2 s with 60 Hz

System on chip (SoC)

Model

ARTPEC-6

Memory

2048 MB RAM, 512 MB Flash

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Main and High Profiles
Motion JPEG

Resolution

3072x2048 to 160x90

Frame rate

Up to 30/25 fps (60/50 Hz) in all resolutions

Video streaming

Multiple, individually configurable streams in H.264 and

Motion JPEG

Axis Zipstream technology in H.264

Controllable frame rate and bandwidth

VBR/MBR H.264

Image settings

Saturation, contrast, brightness, sharpness, forensic
WDR: Up to 120 dB depending on scene, white balance,
exposure mode, exposure zones, compression, text and
image overlay, privacy masks

Pan/Tilt/Zoom

Digital PTZ

Audio

Streaming

Two-way, full duplex

Echo cancellation and noise reduction

Encoding

384bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz,

G.726 ADPCM 8 kHz, Opus 8/16 kHz

Configurable bit rate

Input/output

Line input, line output, dual built-in microphone (can be
disabled)

T-coil

Built-in speaker

78 dB sound pressure at 1 kHz at 1 m distance (84 dB
at 0.5 m / 20 in)

Amplifier description

Built-in 2 W Class D amplifier

RFID reader

Entry authentication

Card, tag, PIN, door code

Integrated entry list with up to 50 credentials

Alarm status indication

User feedback for access granted, access denied,
keypad, armed, disarmed

Network protocols

RS485 (OSDP), Wiegand, VAPIX® reader interface

Reader technology

Generic 13.56 MHz (MIFARE Classic®, MIFARE Plus® (Level 1), MIFARE DESFire® EV1 and EV2, HID® iCLASS® (UID only)).

Proximity 125 kHz (HID® Prox, iCLASS®, EM-42xx,
ISOProx II).

Output formats

Card format: Raw, Wiegand26, Wiegand34, Wiegand37, Wiegand37FacilityCode, Custom
Option to Invert byte for card outputs

Accessibility

Hearing loop

T-coil
4 W Class D amplifier

User feedback

Illuminated symbols, indicator stripe, illuminated buttons, audible feedback

Tampering

Detection type

Tamper switch, accelerometer (shock detection), video tampering

Network

Network protocols

IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTPS¹, TLS¹, 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, DHCP, ARP, SSH, SIP, SIPS, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/ TLS), Link-Local address (ZeroConf), STUN, TURN

System integration

Application Programming Interface

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

AXIS Guardian with One-Click Connection

ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org

Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms.

VoIP

Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX

Supported SIP features: secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC 733 and RFC 833), NAT (ICE, STUN, TURN)

RFC 3261: INVITE, CANCEL, BYE, REGISTER, OPTIONS, INFO

Supported codecs: PCMU, PCMA, Opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32, G.722

Analytics

Included

AXIS Video Motion Detection, active tampering alarm, audio detection

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

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Event triggers

Analytics, external input, edge storage events, virtual inputs through API

Call: DTMF, state, state changes

Detectors: audio detection, live stream accessed, shock detection, tampering, PIR, motion alarm

Hardware: Casing open, temperature, relays and outputs, network

Input Signal: digital input port, manual trigger, virtual inputs

MQTT subscribe

Storage: disruption, recording

System: system ready

Time: recurrence, use schedule

PTZ: moving, preset reached

1. 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).

Event actions

Axis door control
HDMI
Make call: SIP, API
Terminate call: SIP, API
Record video and audio: SD card and network share
Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email
Pre- and post-alarm video or image buffering for recording or upload
Notification: email, HTTP, HTTPS and TCP
External output activation, play audio clip, overlay text, PTZ controls, status LED, WDR mode
MQTT publish

Data streaming

Event data

Approvals

EMC

EN 55032 Class A, EN 55024, EN 61000-6-2, FCC Part 15 Subpart B Class A and Subpart C and Subpart E

Safety

IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, UL 293, UL 294

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK08, NEMA 250 Type 4X

Other

EN 300330, EN 62311, RSS-Gen, RSS-210, EN 301 489-3, EN 303 348
For more information, see the Declaration of Conformity at axis.com

Cybersecurity

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

Hardware: Secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)², IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS², TLS v1.2/v1.3², Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation

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

General

Casing

IP66 and NEMA 4X-rated, IK08 impact- and scratch-resistant glass
Aluminum casing, polycarbonate (PC) hard-coated dome
Color: metallic dark grey

Sustainability

PVC free

PIR sensor

Passive infrared (PIR) motion sensor.

Power

Power in: Power over Ethernet (PoE)
IEEE 802.3af/802.3at Type 1 Class 3, or
Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 8-28 V DC min. 25 W
Power consumption: typical 8 W, max 22 W
Power out: Power over Ethernet (PoE)
IEEE 802.3af/802.3at Type 1 Class 3: 24 V/0.05 A or 12 V/0.1 A
Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 8-28 V DC: 24 V/0.3 A or 12 V/0.7 A
Relay rating: 30 V, 1 A

Connectors

RJ45 10BASE-T/100BASE-TX, PoE
I/O: 6-pin terminal block for 4 alarm inputs/outputs
DC input, 2 relays, line out, line in, microHDMI, RS485/Wiegand

2. 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).

Storage

Support for microSD/microSDHC/microSDXC card
Support for recording to network-attached storage
(NAS)
For SD card and NAS recommendations see *axis.com*

Operating conditions

-40 °C to 55 °C (-40 °F to 131 °F)
Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Dimensions

H x W x D: 248 x 106 x 51 mm (9 3/4 x 4 3/16 x 2 in)

Weight

1.3 kg (2.9 lbs)

Mounting option

Wall mount, wall mount with conduit pipe, or recessed
with AXIS TA8201 Recessed Mount

Included accessories

Installation guide, Torx® TR20 bit, terminal block
connectors, connector guard

Optional accessories

AXIS TA8201 Recessed Mount, AXIS A9801 Security
Relay, AXIS T8133 Midspan, AXIS TA8601 Conduit
Adapter 3/4" NPS, AXIS TA8801 Clear Dome Cover
For more accessories, see *axis.com*

Languages

English, German, French, Spanish, Italian

Warranty

Axis 3-year warranty and AXIS Extended Warranty
option, see *axis.com/warranty*