AXIS A8207-VE Network Video Door Station
Multifaceted 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 access control reader. By providing both surveillance, visitor management, and employee accessibility, AXIS A8207-VE increases the efficiency while keeping down the number of devices at the door. Analytics, such as motion or sound-based detection, is supported. Based on open standards and with several hardware interfaces, AXIS A8207-VE easily integrates with other systems and solutions and is prepared for future needs. Interaction is intuitive and accessible, with an induction loop for hearing aid.

> **6MP wide-angle camera**
> **High-quality audio with noise/echo cancellation**
> **Multiple hardware interfaces: audio input/output, relays, HDMI output, RS485**
> **Easy integration with SIP, VAPIX, and ONVIF**
> **Analytics support**
**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**: 0.0 lux
- **LED unit (with WDR)**: 0.7 lux
- **LED unit (without WDR)**: 0.55 lux

**Video**
- **Video compression**: H.264 (MPEG-4 Part 10/AVC) Main and High Profiles
- **Motion JPEG**
- **Frame rate**: 30/25/20/15 frames/s to 160x90
- **Video settings**: Saturation, contrast, brightness, sharpness, forensic WDR: Up to 120 dB depending on scene, white balance, exposure modes, exposure zones, compression, text and image overlay, privacy masks

**Audio**
- **Audio streaming**: Two-way, full duplex
- **Echo cancellation and noise reduction**
- **Audio compression**: 384bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz
- **Audio input/output**: Line input, line output, dual built-in microphone (can be disabled), T-coil, Built-in speaker 73 dB (at 50 cm / 19.7 in)

**RFID reader**
- **Entry authentication**: Card, tag, PIN, door code

**Read range**: 30–40 mm with recommended cards and tags

**Alarm status indication**: User feedback for access granted, access denied, keypad, armed, disarmed

**Supported protocols**: RS485 (OSDP), Wiegand, VAPIX reader interface

**Reader technology**: Generic 13.56 MHz (Mifare Classic, Mifare Plus (Level 1 and Level 3), Mifare DESFire EV1 and EV2, HID (CLASS (UID only)), HID Prox ISOProx II)

**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**
- **Security**: Password protection, IP address filtering, signed firmware, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log, centralized certificate management

**Supported protocols**: IPv6/IPv4, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, STP, TCP, UDP, IGMP, RTPCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, SIPS, LLDP, 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 S and ONVIF® Profile G, specification at onvif.org**

**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**

**Event triggers**
- **Analytics**
  - **Announcement**: Video Motion Detection, active tampering alarm, audio detection
  - **Supported**: AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard
  - **Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/apc**

**Event actions**
- **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
- **Software**: Casing open, temperature, relays and outputs, network
- **Input Signal**: digital input port, manual trigger, virtual inputs
- **Storage**: disruption, recording
- **System**: system ready
- **Time**: recurence, use schedule
- **PTZ**: moving, preset reached

**Data streaming**
- **Event data**

**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

**Memory**: 2048 MB RAM, 512 MB Flash

**Power**
- **Rating**: 24 V DC, 12 V DC
- **Power consumption**: 0.5 W
- **Power over Ethernet (PoE)**
  - **IEEE 802.3af/IEEE 802.3at Type 1 Class 3, or Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 0 W 8 V DC min. 25 W
  - **Power over Ethernet Plus (PoE+) IEEE 802.3at Type 1 Class 3**: 24 V (0.5) A or 12 V (0.7 A)
  - **Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 0 W 8 V DC**: 0.3 A or 12 V (0.7 A)

**Connectors**
- **RJ45**: 10BASE-T/100BASE-TX, PoE
- **IO**: 6–pin terminal block for 4 alarm inputs/outputs

**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)

### 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

### 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 A8801 Security Relay, AXIS TA8601 Conduit Adapter 3/4” NPS,
- AXIS TA8801 Clear Dome Cover
For more accessories, see axis.com

### Video management software

Video management software from Axis’ Application Development Partners available at axis.com/vms

### Languages

English, German, French, Spanish, Italian

### 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 (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:
axis.com/environmental-responsibility