

# 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® | GS

**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<br>Horizontal field of view: 180°<br>Vertical field of view: 120°<br>Fixed focus, IR corrected, fixed iris   |
| Minimum illumination    | LED lit: 0.0 lux<br>LED unlit (with WDR): 0.7 lux<br>LED unlit (without WDR): 0.55 lux   |
| Shutter speed           | 1/143000 s to 2 s with 50 Hz<br>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<br>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<br>Axis Zipstream technology in H.264<br>Controllable frame rate and bandwidth<br>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                   |  |
| Audio streaming         | Two-way, full duplex<br>Echo cancellation and noise reduction  |
| Audio encoding          | 384bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz<br>Configurable bit rate   |
| Audio input/output      | Line input, line output, dual built-in microphone (can be disabled)<br>T-coil<br>Built-in speaker<br>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  |
| 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), 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<br>Option to Invert byte for card outputs   |
| Accessibility           |  |
| Hearing loop            | T-coil<br>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 <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control,  |

digest authentication, user access log, centralized certificate management

|                     |   |
|---------------------|---|
| Supported protocols | IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, SIPS, LLDP, CDP, MQTT v3.1.1, Syslog, 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 <a href="https://axis.com">axis.com</a><br>AXIS Guardian with One-Click Connection<br>ONVIF® Profile S and ONVIF® Profile G, specification at <a href="https://onvif.org">onvif.org</a>  |
| VoIP                              | Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX<br>Tested with various SIP software such as Cisco, Bria and Grandstream<br>Tested with various PBX softwares such as Cisco, Avaya and Asterisk<br>Supported SIP features: secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN), Contact list, parallel call forking, sequential call forking, call extension dialing<br>Supported codecs: PCMU, PCMA, opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32, G.722 |
| Analytics                         | Included<br>AXIS Video Motion Detection, active tampering alarm, audio detection<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>  |
| Event triggers                    | Analytics, external input, edge storage events, virtual inputs through API<br>Call: DTMF, state, state changes<br>Detectors: audio detection, live stream accessed, shock detection, tampering, PIR, motion alarm<br>Hardware: Casing open, temperature, relays and outputs, network<br>Input Signal: digital input port, manual trigger, virtual inputs<br>MQTT subscribe<br>Storage: disruption, recording<br>System: system ready<br>Time: recurrence, use schedule<br>PTZ: moving, preset reached  |
| Event actions                     | Axis door control<br>HDMI<br>Make call: SIP, API<br>Terminate call: SIP, API<br>Record video and audio: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email<br>Pre- and post-alarm video or image buffering for recording or upload<br>Notification: email, HTTP, HTTPS and TCP<br>External output activation, play audio clip, overlay text, PTZ controls, status LED, WDR mode<br>MQTT publish  |

| Data streaming | Event data   |
|----------------|--|
| General        |  |
| Casing         | IP66 and NEMA 4X-rated, IK08 impact- and scratch-resistant glass<br>Aluminum casing, polycarbonate (PC) hard-coated dome<br>Color: metallic dark grey  |
| Sustainability | PVC free   |
| PIR sensor     | Passive infrared (PIR) motion sensor.  |
| Power          | Power in:<br>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<br>Power consumption: typical 8 W, max 22 W<br>Power out:<br>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<br>Relay rating: 30 V, 1 A   |
| <b>Connectors</b>           | RJ45 10BASE-T/100BASE-TX, PoE<br>I/O: 6-pin terminal block for 4 alarm inputs/outputs<br>DC input, 2 relays, line out, line in, microHDMI, RS485/Wiegand   |
| <b>Storage</b>              | Support for microSD/microSDHC/microSDXC card<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>  |
| <b>Operating conditions</b> | -40 °C to 55 °C (-40 °F to 131 °F)<br>Humidity 10–100% RH (condensing)   |
| <b>Storage conditions</b>   | -40 °C to 65 °C (-40 °F to 149 °F)   |
| <b>Approvals</b>            | EMC<br>EN 55032 Class A, EN 55024, EN 61000-6-2,<br>FCC Part 15 Subpart B Class A and Subpart C and Subpart E<br>Safety<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, UL 293, UL 294<br>Environment<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14,<br>IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78,<br>IEC/EN 60529 IP66, IEC/EN 62262 IK08, NEMA 250 Type 4X<br>Other<br>EN 300330, EN 62311, RSS-Gen, RSS-210, EN 301 489-3,<br>EN 303 348<br>For more information, see the Declaration of Conformity at <a href="http://axis.com">axis.com</a> |

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|----------------------------------|---|
| <b>Dimensions</b>                | H x W x D: 248 x 106 x 51 mm (9 3/4 x 4 3/16 x 2 in)  |
| <b>Weight</b>                    | 1.3 kg (2.9 lbs)  |
| <b>Mounting option</b>           | Wall mount, wall mount with conduit pipe, or recessed with AXIS TA8201 Recessed Mount   |
| <b>Included accessories</b>      | Installation guide, Torx® TR20 bit, terminal block connectors, connector guard  |
| <b>Optional accessories</b>      | AXIS TA8201 Recessed Mount, AXIS A9801 Security Relay, AXIS T8133 Midspan, AXIS TA8601 Conduit Adapter 3/4" NPS, AXIS TA8801 Clear Dome Cover<br>For more accessories, see <a href="http://axis.com">axis.com</a> |
| <b>Video management software</b> | Video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>   |
| <b>Languages</b>                 | English, German, French, Spanish, Italian   |
| <b>Warranty</b>                  | Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>  |

- 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](http://axis.com/environmental-responsibility)