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

Audio streaming	Two-way, full duplex 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 Configurable bit rate
Audio 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
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

Security	Password protection, IP address filtering, signed firmware, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log, centralized certificate management
Network protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTPS[a], TLS[a], 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*
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 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 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*
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
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

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption **Hardware:** Secure boot
Network security	IEEE 802.1X (EAP-TLS)[a], HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
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
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 For more information, see the Declaration of Conformity at *axis.com*
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*
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).*

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