AXIS A8207-VE Mk II Network Video Door Station

Multifunctional door station for better security solutions

AXIS A8207-VE Mk II 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 with support for most standard credential types including HID® iClass®, allowing you to integrate with other access control systems. By providing both surveillance and access for visitors and employees, AXIS A8207-VE Mk II increases the efficiency while keeping down the number of devices at the door. Interaction is intuitive and accessible, with an induction loop for hearing aids. Analytics, such as motion or sound detection, are supported.

> **6MP wide-angle camera**
> **Multiple hardware interfaces: audio input/output, relays, HDMI output, RS485**
> **Easy integration with SIP, VAPIX, and ONVIF**
> **Signed firmware with Secure Boot**
> **Support for HID® iClass®**

SIP

ONVIF® | GS

HDTV
NETWORK VIDEO

AXIS A8207-VE Mk II 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
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, EV2, and EV3, HID®
iCLASS®, HID® iCLASS SE®(non keyfobs)).
Proximity 125 kHz (HID® Prox, EM-42xx, 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

Network protocols
IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTPS[1], TLS[1], 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 S and ONVIF® Profile G, 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
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, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, 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

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

Cybersecurity
ETSI EN 303 645, BSI IT Security Label

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 Client
Credential Flow/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/HSTS[2], TLS
v1.2/v1.3[2], 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

Storage
Support for microSD/microSDHC/microSDXC card
Support for SD card encryption (AES-XTS-Plain64
256bit)
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)

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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).*

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
5-year warranty, see *axis.com/warranty*

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COMMUNICATIONS