

# 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<sup>®</sup> iClass<sup>®</sup>, 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<sup>®</sup> iClass<sup>®</sup>**



# SIP

ONVIF<sup>®</sup> | 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

### 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, 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<sup>1</sup>, TLS<sup>1</sup>, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, PTP, 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](https://axis.com)  
AXIS Guardian with One-Click Connection  
ONVIF® Profile S and ONVIF® Profile G, specification at [onvif.org](https://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](https://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, AXIS Barcode Reader, active tampering alarm, audio detection  
Support for AXIS Camera Application Platform enabling installation of third-party applications, see [axis.com/acap](https://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

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

## 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 EN 18031-1

### 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)<sup>2</sup>, IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS<sup>2</sup>, TLS v1.2/v1.3<sup>2</sup>, 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](https://axis.com/support/cybersecurity/resources)  
To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://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](https://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)

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## Weight

1.3 kg (2.9 lbs)

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## Mounting option

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

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## Included accessories

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

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## 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](https://www.axis.com)

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## Languages

English, German, French, Spanish, Italian

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## Warranty

5-year warranty, see [axis.com/warranty](https://www.axis.com/warranty)