

AXIS A8004-VE

Reliable audiovisual entry control

The weather and vandal-resistant AXIS A8004-VE is an open, non-proprietary, IP-based network video door station for two-way communication, video identification, and remote entry control. A perfect complement to any surveillance installation, it provides an easy way to add communication and entry control to surveillance systems. IP standards and an open interface enable integration in both small and enterprise systems, and with third-party video management software. AXIS A8004-VE offers excellent low-light performance with WDR, reliable 24/7 identification, and clear two-way speech thanks to echo cancellation and noise reduction. It has multiple inputs and outputs for remote control of door locks and other equipment.

- > **High-quality audio and video**
- > **Easy to install, PoE+**
- > **Open interface**
- > **IP phone integration and SIP support**
- > **Remote entry control**



SIP



AXIS A8004-VE

Camera

Image sensor

1/3" Progressive scan RGB CMOS

Lens

Horizontal field of view: 97°

Vertical field of view: 78°

M12 mount, F2.8, Fixed iris, Megapixel resolution, 2.8 mm

Light sensitivity

0.4 - 100000 lux, F2.8, 0 lux with illumination LED on

Shutter speed

Dynamic capture, 1/192 s to 1/37 s (50 Hz), 1/231 s to 1/44 s (60 Hz)

Video

Video compression

H.264 (MPEG-4 Part 10/AVC), Baseline Profile, Main Profile, Motion JPEG

Resolution

1280x960 (1.3 MP) to 160x90

Frame rate

HDTV 720p (1280x720), 25/30 fps (50/60 Hz)

Video streaming

Multiple individually configurable streams, H.264, Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264

Image settings

Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Fine-tuning of behavior at low light, WDR - Dynamic Capture, Text and image overlay, Mirroring of images, Privacy mask

Pan/Tilt/Zoom

Digital PTZ

Audio

Audio streaming

Two-way, Full duplex

Audio encoding

AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Configurable bit rate

Audio input/output

Line output, Built-in microphone, Built-in speaker 79 dB sound pressure at 1 kHz at 1 m distance (85 dB at 0.5 m / 20 in)

Echo cancellation

Yes

Noise reduction

Yes

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1X¹ network access control, Digest authentication, User access log

Network protocols

IPv4/v6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SIP, SRTP, SIPS, SIP TLS

System integration

Application Programming Interface

Open API for software integration including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com, AXIS Video Hosting System (AVHS) with One-click Connection, ONVIF Profile S; specification available at www.onvif.org

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

Software

Third-party video management software and mobile applications. See www.axis.com for compatibility

VoIP

SIP support for integration with VoIP, Peer-to-peer or integrated with SIP/PBX. Tested with various SIP softwares such as Cisco, Bria and Grandstream. Tested with various PBX softwares such as Cisco, Avaya and Asterisk.

Analytics Included

AXIS Video motion detection, Active tampering alarm, Audio detection

AXIS Camera Application Platform enabling installation of additional applications, External input, Edge storage events, Shock detection

Event triggers

Call: DTMF, State, State changes

Detectors: Video motion detection, Audio detection, Live stream accessed, Shock detection, Tampering

Hardware: Casing open, Network

Input signal: Digital input port, Manual trigger, Virtual input

PTZ: Moving, Preset reached

Storage: Disruption, Recording

System: System ready

Time: Use schedule

Event actions

Make call: SIP, API

File upload: FTP, HTTP, network share and email

Notification: email, HTTP and TCP

Video and audio recording to edge storage, Pre- and post-alarm video buffering, External output activation, Play audio clip, Overlay text, PTZ control, Status LED, WDR mode

Data streaming

Event data

Built-in installation aids

Pixel counter

General

Casing

Brushed stainless steel front plate. Aluminum body: IP66-rated, NEMA 4x-rated, IK08 impact-resistant

Sustainability

PVC free

Memory

256 MB RAM, 128 MB Flash

Power

Power In: Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, 10-28 V DC min. 25 W; Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4; Power out²: 2x12 V DC, max. depending on Power In to AXIS A8004-VE; PoE Class 3: max. out 160 mA at 12 V DC Relay pin, I/O 50 mA at 12 V DC IO pin; PoE+ Class 4: max. out 750 mA at 12 V DC Relay pin, I/O 200 mA at 12 V DC IO pin; DC in: max. out 750 mA at 12 V DC Relay pin, I/O 200 mA at 12 V DC IO pin; Relays: Locks/etc sourced from AXIS A8004-VE: Maximum current is stated in Power out section. Locks/etc sourced externally: Maximum voltage/current is 0.7A at 30 V

Connectors

RJ45 10BASE-T/100BASE-TX, PoE, DC Power, 4 Inputs/outputs, 2 relays, Line out

Storage

microSD/microSDHC/microSDXC slot (card not included). Support for recording to network share (network-attached storage or file server)

Operating conditions

-25 °C to 50 °C (-13 °F to 122 °F)

Humidity 10-100% RH (condensing)

Dimensions

Wall mount: 140 x 260 x 55.5 mm (5.5 x 10 x 2.2 in); Recessed wall mount: 140 x 260 x 21 mm (5.5 x 10 x 0.8 in)

Weight

Main unit: 1.5 kg (3.3 lb); Wall mount frame: 0.370 kg (0.82 lb); Total weight: 1.87 kg (4.12 lb)

Approvals

EN 55022 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, C-tick AS/NZS CISPR22 Class A, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, EN 50581, IEC 60529 IP66/IP67, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC/EN 62262 IK08

2. Support for two locks (max. total 750 mA) when powered with DC/PoE Class 4. For higher power requirements connect external power (max. 30V DC 0.7A).

Included accessories

Installation Guide, Wall mount frame, Resitorx T20 L-key, Resitorx T10 L-key, Plug connectors (power, I/O, line-out, relay), Cable gasket, AXIS Connector guard A, AVHS Authentication key

Mounting option

Wall mount: Frame included. Recessed mount: Use AXIS A8004 Junction Box or RACO 942 3-Gang 2-1/2" DP

Optional accessories

AXIS A8004 Junction box, AXIS A9801 Security Relay, Safety relay

Video management software

Video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software

Warranty

5-year warranty, see axis.com/warranty