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
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 time
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
HD720p (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/PTZ
Digital PTZ

Audio
Audio streaming
Two-way, Full duplex

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

Audio output
85 dB (at 0.5 m)

Audio input/output
Line output, Built-in microphone, Built-in speaker

Echo cancellation
Yes

Noise reduction
Yes

Network
Security
Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X® network access control, Digest authentication, User access log

Supported protocols
IPv4/IPv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, ICMPv6, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SIP, SRTP, SIP, SIPS, 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

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

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 802.3at/802.3at Type 1 Class3, 10-20 V DC min. 25 W; Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class4; Power: 4×2x12 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, IEC/EN 61000-3-2, C-tick AS/NZS CISPR22 Class A, IEC/EN/UL 60950-1, IEC/EN/UL 60950-2-20, EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 62262 IK08

Included accessories
Installation Guide, Wall mount frame, Resistors T20 L-key, Resistors T10 L-key, Plug connectors (power, I/O, line-out, relay), Cable gasket, AXIS Connector guard A, AXIS P1973-VE, AXIS P1973-VE Key, AXIS P1973-VE Key (for indoor use)

Mounting options
Wall mount: Frame included. Recessed mount: Use AXIS A8004 Junction Box or RAC 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
Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. 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).

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

Environmental responsibility:
www.axis.com/environmental-responsibility

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