

AXIS A8004-VE Network Video Door Station

Reliable audiovisual entry control



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

AXIS A8004-VE Network Video Door Station is an open, non-proprietary IP-based door station for two-way communication, video identification and remote entry control. It is a perfect complement to any surveillance installation and offers new possibilities to effectively control entry to your premises. The use of IP standards and the open interface makes it easy to integrate AXIS A8004-VE in smaller installations as well as more advanced enterprise systems.

AXIS A8004-VE is a weather and vandal-proof video door station for outdoor and indoor installations. The door station comes with a high-performing intercom function that provides clear and echo-free two-way speech with visitors. Combined with an integrated HDTV camera with WDR and excellent low-light performance, the unit offers reliable 24/7 identification of persons at the entrance.

The product connects to existing IP networks and the use of Power over Ethernet allows for installation with one single network cable and provides enough power to support most standard door locks.

Like any Axis network product, AXIS A8004 is based on open standards and interfaces. This allows the unit to be easily integrated with third-party video managements softwares and other applications. It provides a simple way to add communication and entry control to your surveillance system.

The unit supports Session Initiation Protocol (SIP) for easy integration with various IP phone systems to meet advanced audio and video communication needs. AXIS A8004-VE is equipped with multiple inputs and outputs for remote control of door locks as well as other equipment.

SIP



Technical Specifications - AXIS A8004-VE Network Video Door Station

Models	AXIS A8004-VE Network Video Door Station	
Camera		
Image sensor	1/3" Progressive scan RGB CMOS	
Lens	M12 mount, F2.8, Fixed iris, Megapixel resolution, 2.8 mm, 97° view ^a	
Light sensitivity	0.04 - 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	
Resolutions	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 compression	AAC LC 8/16 kHz, 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 ^b encryption, IEEE 802.1X ⁹ network access control, Digest authentication, User access log	
Supported protocols	IPv4/IPv6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SIP	
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	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, Manuel 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	
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 out^c: 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	
Edge storage	microSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (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	
Included accessories	Installation Guide, Wall mount frame, Resistorx T20 L-key, Resistorx 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 Safety relay box, 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	

- Horizontal angle of view
- 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 (ey@cryptsoft.com).
- 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).

More information is available at www.axis.com