

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		System: System ready Time: Use schedule
Camera			
Image sensor	1/3" Progressive scan RGB CMOS		Event actions
Lens	M12 mount, F2.8, Fixed iris, Megapixel resolution, 2.8 mm, 97° view ^a		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
Light sensitivity	0.4 - 100000 lux, F2.8, 0 lux with illumination LED on		Data streaming
Shutter time	Dynamic capture, 1/192 s to 1/37 s (50 Hz), 1/231 s to 1/44 s (60 Hz)		Event data
Video			
Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline Profile, Main Profile, Motion JPEG		Built-in installation aids
Resolutions	1280x960 (1.3 MP) to 160x90		Pixel counter
Frame rate	HDTV 720p (1280x720), 25/30 fps (50/60 Hz)		General
Video streaming	Multiple individually configurable streams, H.264, Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264		Casing
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		Brushed stainless steel front plate. Aluminum body: IP66-rated, NEMA 4x-rated, IK08 impact-resistant
Pan/Tilt/Zoom	Digital PTZ		Memory
Audio			
Audio streaming	Two-way, Full duplex		256 MB RAM, 128 MB Flash
Audio compression	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Configurable bit rate		Power
Audio output	85 dB (at 0.5 m)		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. 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
Audio input/output	Line output, Built-in microphone, Built-in speaker		Connectors
Echo cancellation	Yes		RJ45 10BASE-T/100BASE-TX, PoE, DC Power, 4 Inputs/outputs, 2 relays, Line out
Noise reduction	Yes		Edge storage
Network			
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log		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)
Supported protocols	IPv4/v6, 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		Operating conditions
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		-25 °C to 50 °C (-13 °F to 122 °F) Humidity 10-100% RH (condensing)
Software	Third-party video management software and mobile applications. See www.axis.com for compatibility		Dimensions
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.		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)
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		Weight
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		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, Resistor T20 L-key, Resistor 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