

AXIS I8016-LVE Network Video Intercom

Compact and robust video intercom

AXIS I8016-LVE Network Video Intercom is a compact and highly robust network intercom designed for two-way communication, video identification, and remote entry control. It offers 5 MP resolution with invisible IR night vision, and exceptional audio volume with echo and noise cancellation to ensure reliable 24/7 identification even in the most demanding situations. Based on open IP standards and interfaces, this network intercom offers great integration possibilities and is a perfect complement to any video surveillance system. Furthermore, it features multiple inputs and outputs for remote control of door locks and other equipment.

- > **High-quality audio and video**
- > **Easy installation with PoE**
- > **Open interface with IP phone integration, SIP support**
- > **Anti-ligature, vandal-resistant IK10-rated**
- > **IP66/IP69-rated with wall-mount**



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Camera		Supported codecs: PCMU, PCMA, opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32, G.722
Image sensor	1/2.7" progressive scan RGB CMOS	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, motion alarm Hardware: Casing open, temperature, relays and outputs, network Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption, recording System: system ready Time: recurrence, use schedule PTZ: moving, preset reached
Lens	1.95 mm, F2.2 Horizontal field of view: 140° Vertical field of view: 114° M12 mount, fixed iris	
Day and night	Automatically removable infrared-cut filter	
Minimum illumination	Color: 0.16 lux at 50 IRE, F2.2 B/W: 0.00 lux at 50 IRE, F2.2, with IR illumination on	
Shutter speed	1/50000 s to 1/5 s	
System on chip (SoC)		
Model	ARTPEC-7	Event actions Axis door control 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
Memory	2048 MB RAM, 512 MB Flash	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
Resolution	2592x1944 240x160	
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions	Data streaming Event data
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	
Image settings	Saturation, contrast, brightness, sharpness, WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, defogging, compression, text and image overlay, polygon privacy mask	Analytics
Audio		
Audio streaming	Two-way, full duplex Echo cancellation and noise reduction	Applications Included AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <i>axis.com/acap</i>
Audio encoding	24bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz Configurable bit rate	
Audio input/output	Line input, line output, built-in microphone (can be disabled), built-in speaker, automatic gain control Built-in speaker 78 dB sound pressure at 1 kHz at 1 m distance (84 dB at 0.5 m / 20 in)	General
Network	Security	Casing
		Mounting
Supported protocols	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, Axis Edge Vault with Axis device ID	Power
		Connectors
System integration	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , HTTP/2, SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, SIP, LLDP, Syslog	IR illumination
		Storage
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at <i>axis.com</i> One-click cloud connection ONVIF [®] Profile S and ONVIF [®] Profile G, specification at <i>onvif.org</i>	Operating conditions
		Storage conditions
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	Approvals

	NIST SP500-267
Dimensions	Height: 124 mm (4.9 in) Width: 124 mm (4.9 in)
Weight	900 g (2.0 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, terminal block connector, Allen key (Resistorx 10)
Optional accessories	AXIS TA8201 Recessed Mount AXIS TI8202 Wall Mount Back Box AXIS TI8603 Conduit Adapter AXIS TI8902 Glass Replacement Kit AXIS TI8901 Face Plate Replacement AXIS A9801 Security Relay For more accessories, see axis.com

Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian
Warranty	5-year warranty, see axis.com/warranty

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

Environmental responsibility:

axis.com/environmental-responsibility