

# PB OVERVIEW

## PANIC BUTTON Network Video Door Station Reliable audiovisual entry control



This new smaller version AXIS A8016-LVE is weather and vandal-resistant as also an IP-based network video door station for two-way communication, video identification and remote entry control.

The Panic button is a stand alone unit. When activated, the device will transfer a signal to Security team in place (An APP is also available to alert the security crew when away from their desk, through an alarm and or a text directly to cellular phone).

When activated, it can lit or strobe a Marker at the top of the pole.

### Description:

The **AXIS A8016-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.

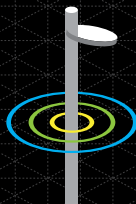
- HIGH-QUALITY AUDIO AND VIDEO
- EASY TO INSTALL, POE+
- OPEN INTERFACE WITH IP PHONE INTEGRATION, SIP SUPPORT
- REMOTE ENTRY CONTROL

- OUTDOOR-READY  
VANDAL-RESISTANT  
IK10-RATED
- IP66/IP69-RATED  
WITH WALL-MOUNT



SIP





# PB TECHNICAL INFORMATIONS

## Axis A8016-LVE

### Camera

Image sensor	1/2.7" Progressive scan RGB CMOS
Lens	1.95 mm, F2.2, M12 mount, fixed iris Horizontal field of view: 140° Vertical field of view: 114°
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

### Video

Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline Profile, Main Profile, Motion JPEG
Resolution	2592x1944 to 240x160
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG, Axis Zipstream technology in H.264 and H.265,
Image settings	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator Saturation, contrast, brightness, sharpness, WDR, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, defogging, compression, text and image overlay, polygon privacy mask

### Audio

Audio streaming	Two-way, Full duplex, Echo cancellation and noise reduction
Audio compression	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), 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)

### Network

Security	Password protection, IP address filtering, HTTPSa 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
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, HTTP/2, SSL/TLSa, 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, NTPCIP, SIP, LLDP, Syslog

### System integration

Application Programming Interface	Open API for software integration including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> One-click cloud connection ONVIF® Profile S and ONVIF® Profile G, specification at <a href="http://onvif.org">onvif.org</a>
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. Contact list, parallel call forking, sequential call forking
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, Manuel trigger, Virtual input. Storage: Disruption, Recording. System: System ready. Time: Use schedule. PTZ: moving, preset reached

### 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 Pixel counter

### Data streaming

General	Event data
Casing	IP66/IP69-, NEMA 4X- and IK10-rated / Stainless steel, zinc, and plastic casing / Color: black NCS S 9000-N
Mounting	US 2-Gang-, 4 inch square installation boxes
Memory	2048 MB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.7 W, max 12.7 W Relay rating: 30 V, 0.7 A
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE. I/O: 6-pin terminal block for 2 inputs/outputs, +12V 400mA supply, and 1 relay 4-pin terminal block for audio input and output
IR illumination	Power-efficient, long-life 940 nm IR LEDs Range of reach 5 m (16 ft) or more depending on the scene
Storage	Support for microSD/microSDHC/microSDXC card and encryption. Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) / Start-up temperature: -40 °C (-40 °F) / Humidity 10–85% RH (non-condensing)
Dimensions	Height: 124 mm (4.9 in) / Width: 124 mm (4.9 in)
Weight	900 g (2.0 lb)
Approvals	EMC: EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety: CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471 Environment: IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60529 IP66/IP69, IEC/EN 62262 IK10, NEMA 250 Type 4X Network: NIST SP500-267
Included accessories	Installation guide, Windows® decoder 1-user license, terminal block connector, Allen key (Resistorx 10)
Optional accessories	AXIS A9801 Security Relay. For more accessories, see <a href="http://axis.com">axis.com</a>
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
Warranty	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a> , see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

**Environmental responsibility:**  
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