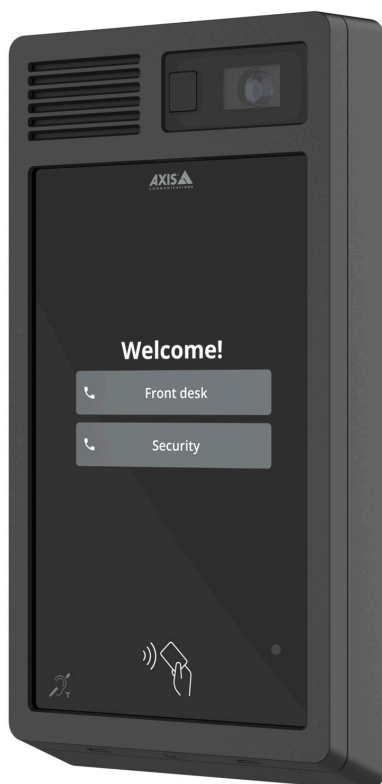


AXIS I8307-VE Network Intercom

Multifunctional device with interactive display

AXIS I8307-VE offers high-quality two-way video for enhanced communication. A fully featured 4K camera delivers outstanding details and the screen's background and buttons can be customized. Robust and vandal-resistant, it offers flexible installation and can be mounted on walls, poles, recessed, or using a conduit mount. It integrates seamlessly with your VMS and supports SIP as well as open programming interfaces including VAPIX and ONVIF. Additionally, the integrated access control reader (RFID) makes it easy to integrate with other access control systems. Furthermore, Axis Edge Vault, a hardware-based cybersecurity platform, safeguards the device and offers FIPS 140-3 Level 3 certified secure key storage.

- > Fully featured 4K camera
- > Integrated RFID reader with keypad
- > Customizable touch screen
- > Vandal-resistant IP66/IK08-rated device
- > Built-in cybersecurity with Axis Edge Vault



SIP

ONVIF® | G M S T

AXIS I8307-VE Network Intercom

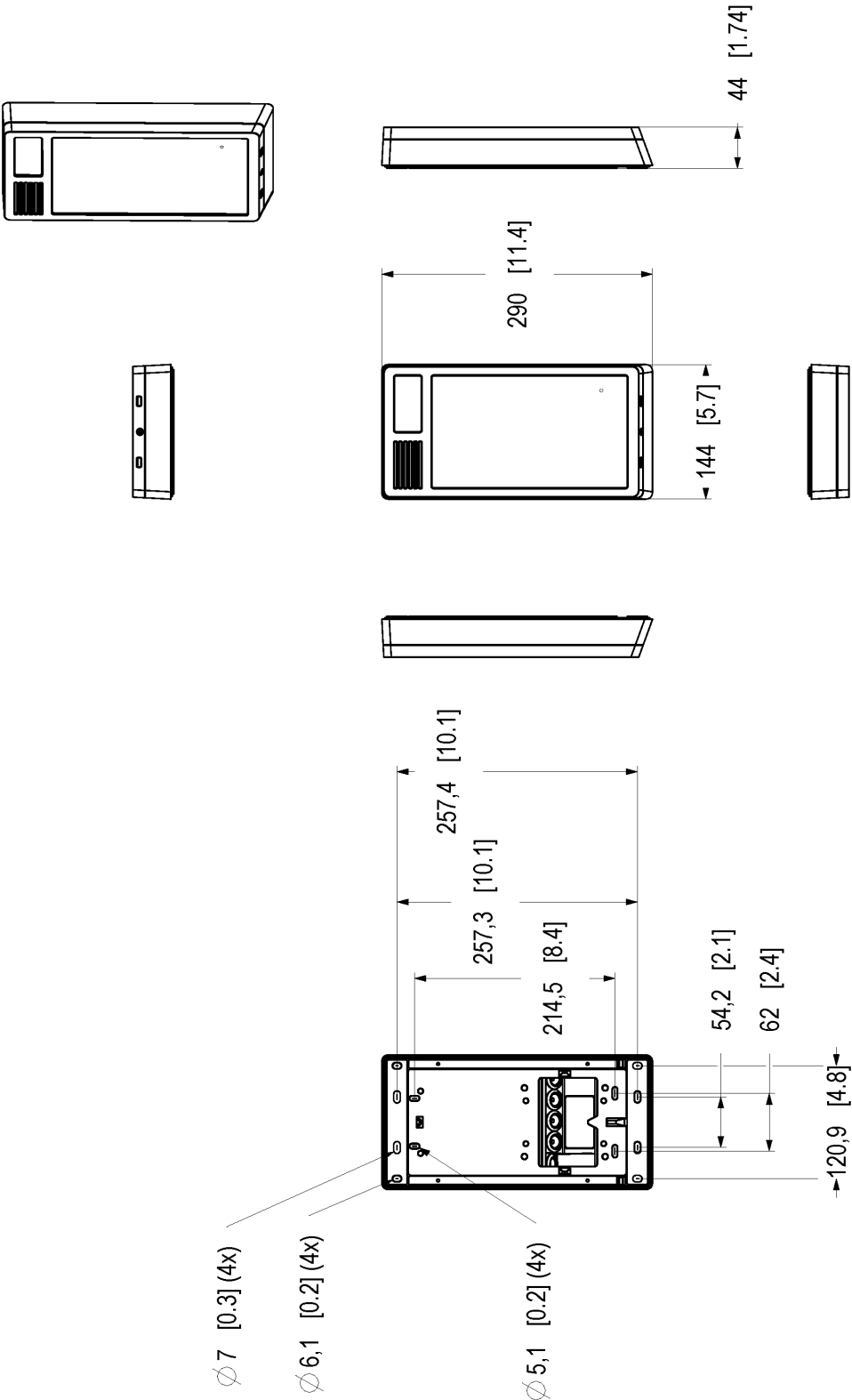
Camera	
Image sensor	1/1.8" progressive scan RGB CMOS Pixel size 2 µm
Lens	2.2 mm, F1.8 Horizontal field of view: 150° Vertical field of view: 112° Fixed focus, fixed iris
Minimum illumination	<0.01 lux at 50 IRE, F1.8
Shutter speed	1/125000 s to 2 s with 50/60 Hz
System on chip (SoC)	
Model	ARTPEC-8
Memory	4 GB RAM, 8 GB Flash
Compute capabilities	Deep learning processing unit (DLPU)
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	16:9: 3840x2160 to 160x90 16:10: 2560x1600 to 160x100 4:3: 2880x2160 to 160x120
Frame rate	With Forensic WDR: Up to 25/30 fps (50/60 Hz) in all resolutions WDR off: Up to 50/60 fps (50/60 Hz) in all resolutions
Video streaming	Up to 20 unique and configurable video streams ^a Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator
Signal-to-noise ratio	>55 dB
WDR	Forensic WDR: Up to 120 dB depending on scene
Image settings	Saturation, contrast, brightness, sharpness, white balance, local contrast, tone mapping, exposure mode, exposure zones, defog, compression, roll, mirroring, dynamic text and image overlay, privacy masks.
Image processing	Axis Zipstream, Forensic WDR
Pan/Tilt/Zoom	Digital PTZ
Audio	
Audio features	Echo cancellation, noise reduction, beamforming
Audio streaming	Two-way (full duplex)
Audio input	Unbalanced line input, 2x built-in microphones (can be disabled)
Audio output	Line output, built-in speaker T-coil Max 85 dB SPL (at 1 m / 39 in)
Audio encoding	LPCM 16 kHz, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz Configurable bitrate
Lock control	
Lock integration	Integration with AXIS A9801 Security Relay: 350 mA at 12 V DC Integration with Axis network door controllers: maximum current/voltage: 0.7 A at 30 V
RFID reader	
Entry authentication	Card, tag, PIN, door code Integrated entry list with up to 50 credentials
Alarm status indication	User feedback for access granted, access denied, keypad, armed, disarmed.
Network protocols	RS485 (OSDP), Wiegand, VAPIX® reader interface
Reader technology	Generic 13.56 MHz (MIFARE Classic®, MIFARE Plus® (level 1), MIFARE DESFire® EV2 and EV3, HID® iCLASS®, HID® iCLASS SE®, HID® Seos®). Proximity 125 kHz (HID® Prox, EM-42xx, ISOProx II)
Accessibility	
Hearing loop	T-coil 4 W Class D amplifier

User feedback	Interactive 7" touch display with illuminated RFID symbol and audible feedback
Tampering	
Detection type	Tamper switch, accelerometer (shock detection), video tampering
Network	
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^b , HTTP/2, TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX®, metadata and AXIS Camera Application Platform (ACAP); specifications at axis.com/developer-community . ACAP includes Native SDK and Computer Vision SDK. One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specifications at onvif.org Support for Voice over IP (VoIP) through the Session Initiation Protocol (SIP), using peer-to-peer (P2P) or Private Branch Exchange (PBX).
Video management systems	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, and video management software from Axis' partners available at axis.com/vms .
Onscreen controls	Privacy masks Media clip
Event conditions	Application Audio: audio detection, audio clip playing Call: DTMF, state, state change Device status: above/below/within operating temperature, casing open, IP address blocked/removed, live stream active, network lost, new IP address, PIR sensor, RFID tag detected, shock detected, system ready Display: button clicked Edge storage: recording ongoing, storage disruption, storage health issues detected Entry list: access granted/denied, custom I/O: digital input, manual trigger, virtual input MQTT: stateless PTZ: PTZ control queue, PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: schedule Video: average bitrate degradation, tampering
Event actions	Audio clips: play, stop Calls: answer call, end SIP call, make SIP call Display: close page, show page Guard tour I/O: toggle I/O once, toggle I/O while the rule is active LEDs: flash status LED, flash status LED while the rule is active MQTT: publish Notification: HTTP, HTTPS, TCP and email Overlay text PTZ: PTZ preset, start/stop guard tour Pre- and post-alarm video or image buffering for recording or upload Recordings: SD card and network share Security: erase configuration SNMP traps: send, send while the rule is active Images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email WDR mode
Built-in installation aids	Pixel counter, level grid, digital roll
Analytics	
Applications	Included AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes, other)

	Scenarios: line crossing, object in area, time in area, crossline counting, occupancy in area, motion in area, motion line crossing Up to 10 scenarios Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
AXIS Scene Metadata	Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Object attributes: vehicle color, upper/lower clothing color, confidence, position
Approvals	
Product markings	UL/cUL, CE
Supply chain	TAA compliant
EMC	CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2 Canada: ICES(A)/NMB(A) USA: FCC Part 15 Subpart B Class A
Safety	IEC/EN 62368-1 ed. 3
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK08, NEMA 250 Type 4X
Wireless	EN 62311, EN 300330, EN 303348, EN 301489-1, EN 301489-3, FCC Part 15 Subpart C
Cybersecurity	ETSI EN 303 645, FIPS 140
Cybersecurity	
Edge security	Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection Hardware: Axis Edge Vault cybersecurity platform Secure keystore: secure element (CC EAL 6+, FIPS 140-3 Level 3), system-on-chip security (TEE) Axis device ID, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) ^b , HTTPS/HSTS ^b , TLS v1.2/v1.3 ^b , Network Time Security (NTS)
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
General	
Display	7-inch capacitive touch display Resolution: 800x480
Casing	IP66-, NEMA 4X-rated, IK08 impact- and scratch-resistant glass Aluminum casing Color: black NCS S 9000-N For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting.
Mounting	Wall, recessed, conduit (with adapter), or pole mounting
Power	Power in: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, or Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 18–28 V DC min. 25 W Power consumption: typical 7 W, max 25 W Power out: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3: 24 V/0.05 A or 12 V/0.1 A

	Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4, or 18–28 V DC: 24 V/0.3 A or 12 V/0.6 A Relay rating: 30 V, 1 A
Connectors	Network: RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 2.5 mm terminal block for 4 alarm inputs/outputs Audio: line in, line out, terminal block Serial communication: RS485/Wiegand, terminal block Power: DC input, terminal block 2 relays
Storage	Support for microSD/microSDHC/microSDXC card Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
PIR sensor	Passive infrared (PIR) motion sensor
Operating conditions	Temperature: –30 °C to 55 °C (–22 °F to 131 °F) Humidity: 10–100% RH (condensing)
Storage conditions	Temperature: –40 °C to 65 °C (–40 °F to 149 °F) Humidity: 5–95% RH (non-condensing)
Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet. Effective Projected Area (EPA): 0.042 m² (0.45 ft²)
Weight	2069 g (4.6 lb)
Box content	Intercom, installation guide, terminal block connector kit, grounding screw, connector guard, cable gaskets, owner authentication key
Optional accessories	AXIS TI8205 Recessed Mount, AXIS TI8604 Conduit Adapter 3/4 NPS, AXIS TI8909 Protection Cover, AXIS A9801 Security Relay, AXIS 30 W Midspan For more accessories, go to axis.com/products/axis-i8307-ve#accessories
System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at axis.com
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty
Part numbers	Available at axis.com/products/axis-i8307-ve#part-numbers
Sustainability	
Substance control	PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard J5709 RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu
Materials	Renewable carbon-based plastic content: 53% (recycled: 31%, bio-based: 22%) Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to axis.com/about-axis/sustainability
Environmental responsibility	axis.com/environmental-responsibility Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

- We recommend a maximum of 3 unique video streams per camera or channel, for optimized user experience, network bandwidth, and storage utilization. A unique video stream can be served to many video clients in the network using multicast or unicast transport method via built-in stream reuse functionality.*
- 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).*



Dimensions in mm [inch]			
Date	Version	Scale	
2025 Jan-03	M1.1	1:4	
Drawing Number	Size	Sheet	
3227239	A3	1(1)	

AXIS I8307-VE Network Video Intercom



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