AXIS T6112 Mk II Audio and I/O Interface
Seamlessly add a microphone and I/O to your Axis cameras

AXIS T6112 Mk II adds a microphone and I/O connectivity to your Axis cameras that do not have these capabilities already built-in. With portcast technology, this device uses the camera's IP address and allows it to provide seemingly camera-integrated microphone and I/O connectivity, enabling audio and video in one stream over the network. With a discreet casing, this device is suitable for indoor installation on a wall or ceiling. It can be installed anywhere between the switch and Axis camera, providing the microphone right where you want it.

> Add microphone and I/O to Axis cameras
> No need for additional IP address
> One stream for audio and video
> Plug-and-play installation

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Audio

Audio streaming	Two-way, voice enhancement
Audio encoding	AXIS T61 series has potential support for: 16 bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Con gurable bitrate
Audio input/output	2x external microphone input or line input, line output, digital input with ring power, automatic gain control

Microphone

Sensitivity	-31.8 dBFS A at 0 dB gain
Max SPL	121 dB at 0 dB gain
SNR	66.5 dB at 30 dB gain

I/O interface

I/O functionality	Two con gurable supervised inputs/digital outputs 12 V DC output, max load 50 mA,

Network – with supported camera

Security	Password protection, IP address ltering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log, centralized certi cate management
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], HTTP/2, TLS[a], 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, Syslog, Link-Local address (ZeroConf), IEEE 802.1X (EAP-TLS), IEEE 802.1AR

System integration – with supported camera

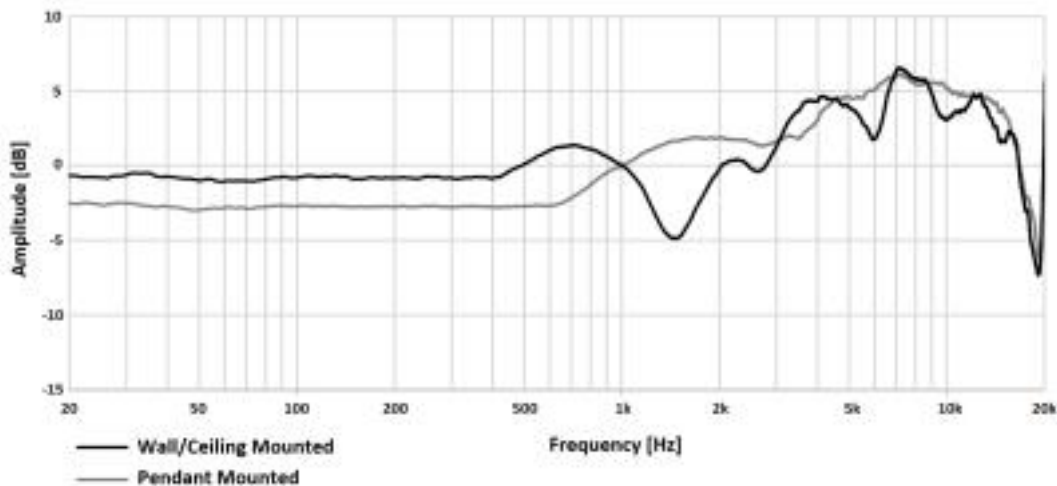|	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; speci cations at *axis.com* One-Click Connection
Analytics	**Included** Audio detection **Supported** Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Analytics, supervised external input
Event actions	External output activation, audio recording to edge storage, play audio clip
Data streaming	Event data

General

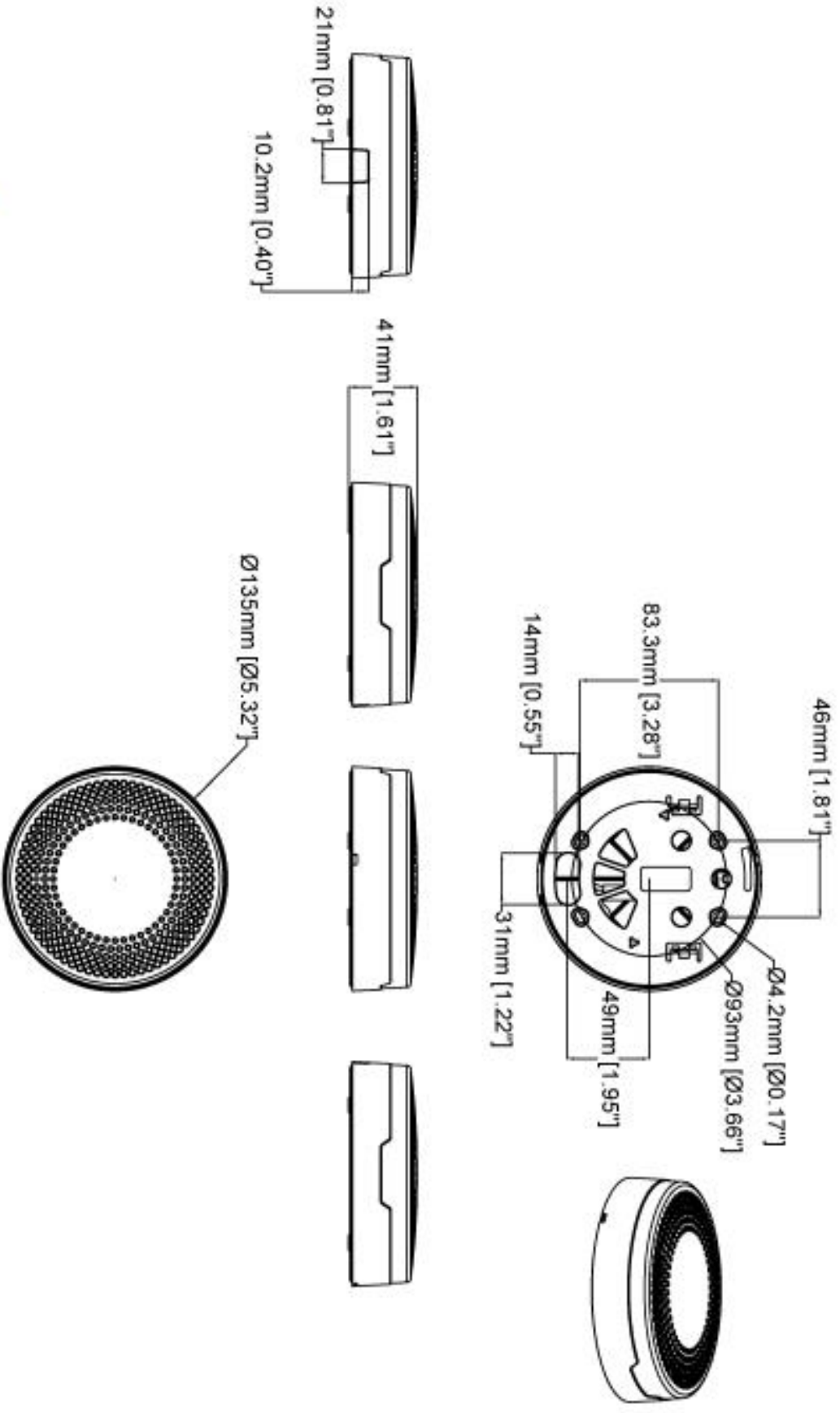|	
Supported products	For a complete list of supported products, go to *axis.com/products/axis-t6112-mk-ii-audio-and-io-interface* Some products require an additional midspan for suf cient powering as stated on the concerned product's datasheet.
Casing	Polycarbonate casing, encapsulated electronics Color: White NCS S 1002-B

	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*.
Sustainability	PVC free, CFR/BFR free, 50% recycled plastic
Display and indicators	Multi color status LED (red, amber and green)
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, 3 or IEEE 802.3at Type 2 Class 4.[b] AXIS T6112 Mk II feeds power to the camera
Connectors	PoE in: RJ45 10BASE-T/100BASE-TX PoE out: RJ45 10BASE-T/100BASE-TX I/O: 4-pin 2.5 mm terminal block Audio: 3.5 mm mic/line in, 3.5 mm line out
Mounting	Connected anywhere between switch and camera.100 m (330 ft).
Operating conditions	-40 °C to 50°C (-40°F to 122F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	**EMC** EN 55032 Class A, EN 55024, EN 61000–6–1, EN 61000–6–2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835 **Safety** IEC/EN/UL 62368-1 **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
Edge security	**Software:** Signed rmware **Hardware:** Secure boot
Dimensions	Height: 41 mm, (1.61 in) ø 135 mm (5 5/16 in)
Weight	230 g (0.5 lb)
Included accessories	Installation guide, mounting bracket, I/O connector
Optional accessories	For more accessories, see *axis.com*
Video management software	With supported camera: AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at *axis.com/vms*
Warranty	5-year warranty, see *axis.com/warranty*

a. *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 (eay@cryptsoft.com).*
b. *This depends on the camera.*

- Wall/Ceiling Mounted
- Pendant Mounted

Dimension drawing

AXIS T6112 Mk II Audio I/O Interface

21mm [0.81"]

10.2mm [0.40"]

41mm [1.61"]

Ø135mm [Ø5.32"]

46mm [1.81"]

83.3mm [3.28"]

14mm [0.55"]

31mm [1.22"]

49mm [1.95"]

Ø4.2mm [Ø0.17"]

Ø93mm [Ø3.66"]

Revision	v.01	Revision date	2022-10-19
Paper size	A4	Release date	2022-10-19
Created by	MS	Scale	1:3

Key features and technologies

Portcast

A concept (unique to Axis) for adding connectivity to Axis cameras. An interface box between the camera and switch provides the ports and adds a communication layer on top of the network.

Two-way audio

Two-way audio (also known as duplex audio) is a feature that allows Axis devices to both pick up and broadcast sound. For example, if you have an IP camera with two-way audio, you can both see and hear what's going on on your premises and, if the need arises, speak with visitors or intruders in real-time.

Voice enhancer

An algorithm that amplifies voice content relative to other sounds with the purpose of making speech more perceptible.

For more information, see *axis.com/glossary*