AXIS C1004-E Network Cabinet Speaker
Audio made smart and easy

AXIS C1004-E allows users to remotely warn off intruders before they commit a crime, to deliver instructions during an emergency or to make general voice messages. Built-in memory supports pre-recorded messages. Security staff can respond to notifications with live speak. Digital signal processing (DSP) ensures clear sound. Open standards support easy integration with network video, access control, analytics, and VoIP (supporting SIP). AXIS C1004-E is a standalone unit that can be placed almost anywhere, which supports a flexible, scalable and cost-effective system. The speaker can be installed indoors or on sheltered exterior of buildings. It can be mounted horizontally or vertically.

> **All-in-one speaker system**
> **Connects to standard IT network**
> **Simple installation with PoE**
> **Remote health testing**
> **SD card for audio content storage**

AXIS C1004-E Network Cabinet Speaker

Models	AXIS C1004-E Network Cabinet Speaker White AXIS C1004-E Network Cabinet Speaker Black

Audio

Audio management	Software applications for managing and controlling your audio system regardless of its size and complexity: – Included in the product (runs inside the device) is AXIS Audio Manager Edge, offering zone management, content management, content scheduling and health monitoring. Up to 200 speakers and 20 zones are supported (see separate datasheet for more details). – For larger and more advanced systems we recommend AXIS Audio Manager Pro (see separate datasheet).
Audio streaming	One-way/two-way[a], mono
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Axis μ-law 16 kHz, WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Constant and variable bit rate. Sampling rate from 8 kHz up to 48 kHz.
Audio input/output	Built-in microphone (can be disabled)
Built-in microphone specification	50 Hz - 16 kHz

Speaker

Enclosure	Two-way bass-reflex type Speaker component: 12 cm (4.72 in) dynamic cone speaker, 2.5 cm (0.98 in) balanced dome tweeter
Max sound pressure level	96 dB
Frequency response	60 Hz - 20 kHz
Coverage pattern	130° horizontal by 100° vertical

Amplifier

Amplifier description	Built-in 6 W Class D amplifier

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6[c], HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, SIP (Cisco, Avaya, Asterisk)

System integration

Application Programming Interface	Open API for software integration, including VAPIX®, AXIS Video Hosting System (AVHS) with One-click Connection, AXIS Camera Application Platform (ACAP).
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: SIP client such as Cisco, Bria and Grandstream and PBX suppliers such as Cisco and Asterisk. Supported SIP features: secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN) Supported codecs: PCMU, PCMA, opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32
Audio synchronization	Built-in audio synchronization[c] for up to 50 speakers with unicast and hundreds of speakers with multicast. No additional speaker management software or hardware required.
Intelligent audio	Auto Speaker Test (verification via built-in microphone)
Event triggers	Virtual inputs, AXIS Camera Application Platform (ACAP)
	Call: DTMF, State changes
Event actions	Play audio clip, send SNMP trap, send Auto Speaker Test, status LED File upload via HTTP, network share and email Notification via email, HTTP, HTTPS and TCP
Built-in installation aids	Test tone verification and identification

General

Casing	IP45- and NEMA 3R-rated Plastic and metal casing Colors: White NCS S 1002-B; black For repainting instructions and impact on warranty, contact your Axis partner.
Memory	256 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3af Type 1 Class 3 (max 12.95 W)
Connectors	RJ45 10BASE-T/100BASE-TX PoE
Storage	Support for microSD/microSDHC/microSDXC card Max. size 64 GB For SD card recommendations see *www.axis.com*
Reliability	Designed for 24/7 operation.
Operating conditions	–20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EMC EN 55022 Class A, EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, 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, KN24, KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, CNS 13438 Environment IEC/EN 60529 IP45, IEC/EN 62262 IK10, NEMA 250 Type 3R, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14
Dimensions	H x D x W (with bracket): 290 x 200 x 196 mm (11.4 x 7.9 x 7.7 in)
Weight	3.0 kg (6.61 lb)
Included accessories	Installation Guide, AVHS authentication key, AXIS Camera Station license key, cable shoe, bracket with screws and washers, AXIS Connector Guard A
Optional accessories	Safety wire kit For more accessories, see *www.axis.com*
Video management software	AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/techsup/software*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see *axis.com/warranty*

a. *This product supports two-way audio for sending audio to the speaker and receiving audio from the microphone. The product does not support two-way communication for conversations with speaker operators.*
b. *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).*
c. *Audio synchronization with IPv4 only.*

Environmental responsibility:

axis.com/environmental-responsibility

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