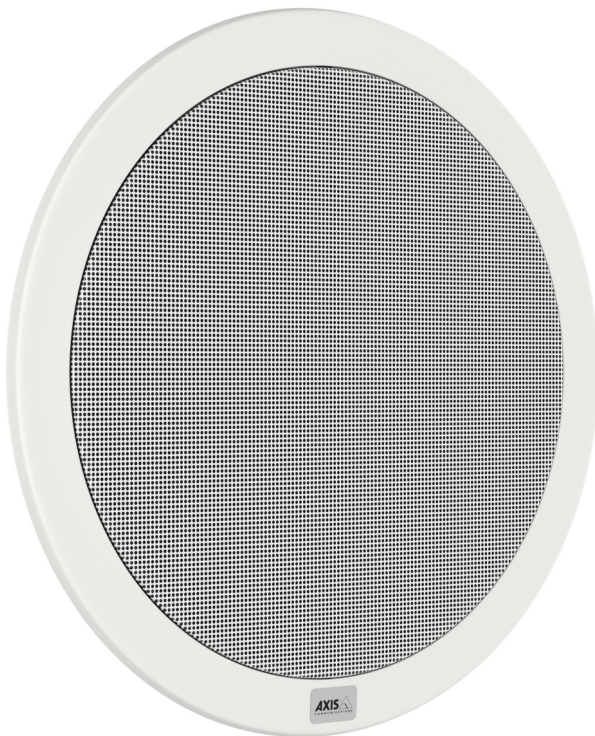


# AXIS C2005 Network Ceiling Speaker

Audio made smart and easy

AXIS C2005 is an all-in-one speaker system connected with a single network cable. It delivers out-of-the-box-ready high-quality sound without any need for fine-tuning. Background music can be played via the preinstalled AXIS Audio Player application. You can create and schedule your own playlists from an onboard SD card or from audio streaming services. AXIS C2005 is also perfect for voice announcements (scheduled or live calls). The speakers can be zoned together thanks to built-in audio synchronization technology.

- > [Easy music streaming](#)
- > [Voice announcements](#)
- > [All-in-one speaker system](#)
- > [Quick installation with just one network cable \(PoE\)](#)
- > [Future-proof with openness and integration](#)



# AXIS C2005 Network Ceiling Speaker

<b>Audio</b>		Notification via email, HTTP, HTTPS and TCP
<b>Audio streaming</b>	One-way/two-way <sup>a</sup> , mono	
<b>Audio compression</b>	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Axis $\mu$ -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.	
<b>Audio input/output</b>	Built-in microphone (can be disabled)	
<b>Built-in microphone specification</b>	50 Hz - 16 kHz	
<b>Speaker</b>		
<b>Speaker component</b>	20 cm (8 in) coaxial cone type	
<b>Max sound pressure level</b>	95 dB	
<b>Frequency response</b>	45 Hz - 20 kHz	
<b>Coverage pattern</b>	130° coaxial	
<b>Amplifier</b>		
<b>Amplifier description</b>	Built-in 6 W Class D amplifier	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management	
<b>Supported protocols</b>	IPv4/v6 <sup>c</sup> , HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, SIP (Cisco, Asterisk)	
<b>System integration</b>		
<b>Music streaming</b>	Music playback through AXIS Audio Player. Offline streaming from SD card and online streaming support.	
<b>Voice announcement</b>	Pre-recorded voice announcements through AXIS Audio Player. Voice announcement through built-in SIP support for connection to any IP telephone/VoIP system and VAPIX support.	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> , AXIS Guardian with One-click Connection, AXIS Camera Application Platform (ACAP).	
<b>VoIP</b>	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	
<b>Audio synchronization</b>	Built-in audio synchronization <sup>c</sup> for up to 50 speakers with unicast and hundreds of speakers with multicast. No additional speaker management software or hardware required.	
<b>Intelligent audio</b>	Auto Speaker Test (verification via built-in microphone)	
<b>Event triggers</b>	Virtual inputs, AXIS Camera Application Platform (ACAP) Call: DTMF, state changes	
<b>Event actions</b>	Play audio clip, send SNMP trap, send Auto Speaker Test, status LED File upload via HTTP, network share and email	
<b>Built-in installation aids</b>	Test tone verification and identification	
<b>General</b>		
<b>Casing</b>	UL2043 Plenum rated Baffle: Steel plate Grille: Surface-treated steel plate Color: Off-white (RAL 9010 or equivalent) For repainting instructions and impact on warranty, contact your Axis partner. Speaker mounting method: Metal spring clamp	
<b>Memory</b>	256 MB RAM, 256 MB Flash	
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3af Type 1 Class 3 (max 12.95 W)	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE	
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Reliability</b>	Designed for 24/7 operation.	
<b>Operating conditions</b>	-20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	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, CNS 13438 Environment UL2045 (Plenum rating), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC/EN 60529 IP20	
<b>Dimensions</b>	Ø280 x 92 mm (11.02 x 3.62 in) Ceiling thickness for mounting: 5 - 25 mm (0.2 - 0.98 in) Dimensions for fixing hole: Ø250 mm ± 3 mm (9.84 in ± 0.12 in)	
<b>Weight</b>	1.7 kg (3.75 lb)	
<b>Included accessories</b>	Installation Guide, AVHS authentication key, AXIS Camera Station license key	
<b>Optional accessories</b>	Safety wire kit For more accessories, see <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Camera Station, Video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">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.
- 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)).
- Audio synchronization with IPv4 only.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)