

# AXIS C1310-E Network Horn Speaker

Outdoor speaker for clear long-range speech

AXIS C1310-E Network Horn Speaker is perfect for outdoor environments in most climates. It 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, or security personal 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 C1310-E is a standalone unit that can be placed almost anywhere, which supports a flexible, scalable and cost-effective approach to system design.

- > **All-in-one speaker system**
- > **Connects to standard network**
- > **Simple installation with PoE**
- > **Remote health testing**
- > **Two input/outputs (GPIO)**



# AXIS C1310-E Network Horn Speaker

| Audio                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | General                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Audio management</b>                  | Software applications for managing and controlling your audio system regardless of its size and complexity:<br>– 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).<br>– For larger and more advanced systems we recommend AXIS Audio Manager Pro (see separate datasheet). | <b>Casing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Impact-resistant aluminum, IP66-, IP67-, NEMA 4X-rated, and MIL-STD-810G 509.5-rated.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Audio streaming</b>                   | One-way/two-way <sup>a</sup> (mono)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Memory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 256 MB RAM, 512 MB Flash                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Audio encoding</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>Power</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 (max. 12.95 W)                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Audio input/output</b>                | Built-in microphone (can be disabled mechanically)                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Connectors</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RJ45 10BASE-T/100BASE-TX PoE<br>I/O: 4-pin 2.5 mm terminal block for one input and one output                                                                                                                                                                                                                                                                                                                                                |
| <b>Built-in microphone specification</b> | 50 Hz - 12 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Operating conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C to 60 °C (-40 °F to 140 °F)<br>Humidity 10-100% RH (condensing)                                                                                                                                                                                                                                                                                                                                                                        |
| Speaker                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EMC<br>EN 55032 Class B, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-3(B)/NMB-3(B), VCCI Class B, RCM AS/NZS CISPR 32 Class B, KC KN32 Class B, KC KN35<br>Safety<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22<br>Environment<br>IEC/EN 60529 IP67, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, MIL-STD-810G 509.5 |
| <b>Max sound pressure level</b>          | >121 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Without bracket: 164 x 225 x 250 mm (6 1/2 x 8 7/8 x 9 7/8 in.)<br>With bracket: 164 x 225 x 305 mm (6 1/2 x 8 7/8 x 12 in.)                                                                                                                                                                                                                                                                                                                 |
| <b>Frequency response</b>                | 280 Hz - 12.5 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Weight</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.3 kg (2.9 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Coverage pattern</b>                  | 70° horizontal by 100° vertical (at 2 kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Included accessories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Installation Guide, AVHS Authentication Key, AXIS Camera Station license key, AXIS Connector Guard A, Cable shoe                                                                                                                                                                                                                                                                                                                             |
| Amplifier                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Optional accessories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AXIS T91B47 Pole Mount, AXIS T91F67 Pole Mount, Cable Gland M20x1.5, RJ45, Cable Gland A M20, AXIS Power over Ethernet Midspans, T94R01B Corner Bracket, T94P01B Corner Bracket, T94S01P Conduit Back Box                                                                                                                                                                                                                                    |
| <b>Amplifier description</b>             | Built-in 7 W Class D amplifier                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Video management software</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://axis.com/techsup/software">axis.com/techsup/software</a>                                                                                                                                                                                                                                                             |
| Network                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Languages</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | English, German, French, Spanish, Italian                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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                                                                                                                                                                                                                                                                                                                      | <b>Warranty</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>                                                                                                                                                                                                                                                                                                                                                                |
| <b>Supported protocols</b>               | IPv4/v6, HTTP, HTTPS <sup>b</sup> , SIP, SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKS, SSH                                                                                                                                                                                                                                                        | <p>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.</p> <p>b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<a href="http://www.openssl.org">www.openssl.org</a>), and cryptographic software written by Eric Young (<a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a>).</p> <p>c. Audio synchronization with IPv4 only.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| System integration                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Environmental responsibility:<br><a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Programming Interface</b> | Open API for software integration, including VAPIX <sup>®</sup> , AXIS Video Hosting System (AVHS) with One-click Connection, AXIS Camera Application Platform (ACAP).                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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>VoIP</b>                              | Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.<br>Tested with: SIP client such as Cisco, Bria and Grandstream and PBX suppliers such as Cisco and Asterisk.<br>Supported SIP features: secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN)<br>Supported codecs: PCMU, PCMA, opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Intelligent audio</b>                 | Auto Speaker Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Event triggers</b>                    | Virtual inputs, External input<br>Call: DTMF, State changes, AXIS Camera Application Platform (ACAP)                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Event actions</b>                     | File upload: HTTP, network share and email<br>Notification: email, HTTP and TCP<br>Play audio clip<br>Perform Auto Speaker Test<br>Send SNMP trap<br>Status LED                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Built-in installation aids</b>        | Test tone verification and identification                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Functional monitoring</b>             | Auto Speaker Test, Connection verification, Built-in system logging                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |