AXIS C1720 Network Display Speaker

Dual-sided 3-in-1 public address solution

This dual-sided device enables impactful paging, public address, and alerts with an attention-getting strobe, two powerful speakers, and two text displays. It also supports two-way audio, bells, and background music. Speaker, display, and strobe can be used alone or combined. Display color, font, and text scrolling are adjustable, as are the strobe color and pattern. Built on an open platform, the display speaker integrates with third-party mass notification systems and other solutions. Installation support features ensure a safe, speedy installation, and a single cable provides power and connectivity. Both wall and pole mounting accessories available separately.

- > Dual speakers and displays, strobe bar
- > Two-way audio
- > Remote health monitoring
- > Audio content prioritization and zoning
- > Freedom to integrate and to scale

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Hardware

Enclosure
Two 3 inch dynamic cone speakers in sealed enclosure

Max sound pressure level
99/91 dBSPL (PoE6/PoE4)

Frequency response
180 Hz - 15.5 kHz

Coverage pattern
Horizontal speaker coverage: 240°
Vertical speaker coverage: 280°

Audio input
Built-in microphone (can be disabled)
Input for external unbalanced microphone
Unbalanced line input

Built-in microphone specification
28 Hz -20 kHz

Amplifier description
Built-in 20 W Class D amplifier

Digital signal processing
Built-in and pre-configured

Connectors
3.5 mm audio input
RCA line-out
I/O: 4-pin 2.5 mm terminal block for 2x supervised configurable I/Os
USB 2.0 Type-A port (disabled, reserved for future use)

Display and indicators
Display size: 8.8 inch
Display type: LCD, full color
Display resolution: 1920 x 480
Display view angle: Full view
LED indicators: status-LED, two front-facing LEDs, dynamic LED strip with RGBW (red, green, blue, white) LEDs and predefined light patterns

PIR sensor
Passive infrared (PIR) motion sensor
Max range: 10 m (33 ft)

Casing
Die-casted aluminum, plastic and steel
Color: White (NCS S 1002-B)
IP rating: 40

Dimensions
Height: 156 mm (6.14)
Width: 160 mm (6.30)
Length: 462 mm (18.2)

Weight
4700 g (10.4 lbs)

Audio management

AXIS C1720 is to be used in combination with the appropriate Axis end-to-end audio management software solution or third-party integrations such as third-party mass notification systems.

AXIS Audio Manager Edge
Full functionality for the speaker. Limited functionality for strobe and display.

AXIS Audio Manager Pro
Full functionality for strobe, display and speaker.

AXIS Audio Manager Center
Full functionality for the speaker. Limited functionality for strobe and display.

For more details about audio management software, see *axis.com/products/audio-management-software*.

Audio software

Audio features
Full duplex echo cancellation

Audio streaming
Two-way (full duplex)

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, Opus 8/16/48 kHz
MP3 in mono/stereo from 64 kbps to 320 kbps.
Constant and variable bit rate.
Sampling rate from 8 kHz up to 48 kHz.

Network

Network protocols
IPv4/IPv6[1], USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[2], HTTP/2, TLS[2], QoS Layer 3 DiffServ, 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, 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
AXIS Camera Application Platform (ACAP)
Open API for software integration, including VAPIX®; specifications at *axis.com/developer-community*.
One-click cloud connection
Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.

Video management systems
Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*.

Edge-to-edge
Camera pairing

Mass notification
Singlewire InformaCast®, Intrado Revolution, Lynx Systems, Alertus

Unified communication
Verified compatibility:
SIP clients: 2N, Yealink, Cisco, Linphone, Grandstream
PBX/SIP servers: Cisco Call Manager, Cisco BroadWorks, Avaya, Asterix, Grandstream
Cloud service providers: Webex, Zoom

SIP
Supported SIP features: Secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN)
RFC 3261: INVITE, CANCEL, BYE, REGISTER, OPTIONS, INFO
DTMF (RFC 4733/RFC 2833)

Event conditions
Audio: audio detection, audio clip playing, physical microphone switch, speaker test result
Device status: IP address blocked/removed, live stream active, network lost, new IP address, PIR sensor, ring power overcurrent protection, system ready
Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: digital input is active, manual trigger, virtual input is active
MQTT: MQTT client connected
Scheduled and recurring: schedule

Event actions
Audio: run automatic speaker test
Audio clips: play, play while the rule is active, stop
Display: speaker display notification
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
Light and siren: run light profile, run light profile while the rule is active, stop activities
MQTT: send MQTT publish message
Notification: HTTP, HTTPS, TCP and email
Recordings: record audio, record audio while the rule is active
Security: erase configuration
SNMP trap messages: send, send while the rule is active

Built-in installation aids
Test tone verification and identification

Functional monitoring
Auto Speaker Test (verification via built-in microphone)

Approvals

EMC
CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3
Australia/New Zealand: RCM AS/NZS CISPR 32 Class A
Canada: ICES(A)/NMB-3(A)
Japan: VCCI Class A
Korea: KS C 9832 Class A, KS C 9835
USA: FCC Part 15 Subpart B Class A

Safety
CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1

1. *Audio synchronization with IPv4 only.*
2. *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).*

Environment
IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC/EN 60529 IP40

Cybersecurity
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, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)

Network security
IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[3], IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS[3], TLS v1.2/v1.3[3], Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation
AXIS OS Hardening Guide
Axis Vulnerability Management Policy
Axis Security Development Model
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*

System on chip (SoC)

Model
NXP i.MX 8M Mini

Memory
1024 MB RAM, 1024 MB Flash

General

Power
Power over Ethernet (PoE) 802.3at Class 4 / 802.3bt Class 6

Storage
Support for microSD/microSDHC/microSDXC card
Support for SD card encryption (AES-XTS-Plain64 256bit)
Recording to network-attached storage (NAS)
For SD card and NAS recommendations see *axis.com*

Operating conditions
Temperature: 0 °C to 40 °C (32 °F to 104 °F)
Humidity: 10–85% RH (non-condensing)

Storage conditions
Temperature: -40 °C to 65 °C (-40 °F to 149 °F)
Humidity: 5–95% RH (non-condensing)

Box content
Network display speaker, 4-pin connector, wall bracket, installation guide, owner authentication key

Optional accessories
AXIS Surveillance Cards
AXIS TC1604 Wall Mount
AXIS TC1606 Ceiling Mount
AXIS C8310 Volume Controller
For more accessories, go to *axis.com/products/axis-c1720#accessories*

Languages
Web interface: 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-c1720#part-numbers*

Tools

Design
AXIS Site Designer
Available at *axis.com*

Installation
AXIS Device Manager, product selector, accessory selector
Available at *axis.com*

3. *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).*

Sustainability

Substance control

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
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*

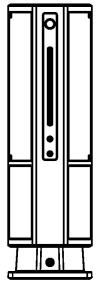
Materials

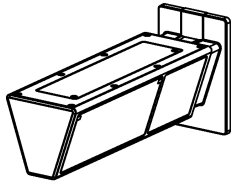
Renewable carbon-based plastic content: 70% (bio-based)
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

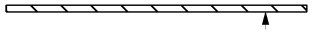
Environmental responsibility

axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

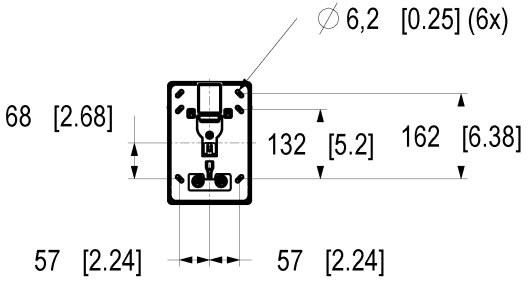
With AXIS TC1604 Wall Mount.

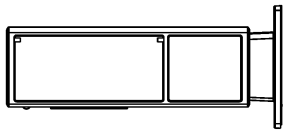


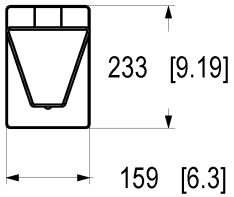


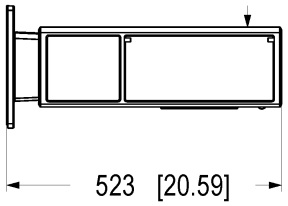


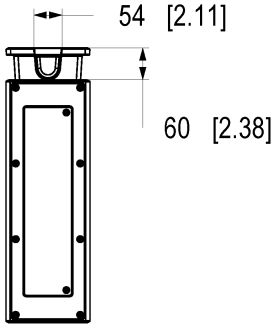
Min. distance from ceiling: 300 [11.81]











AXIS C1720 Network Display Speaker

Dimensions in mm [inch]

Date	Version	Scale
2025 Jan-22	M1.5	1:8
Drawing Number	Size	Sheet
3229430	A3	1(2)

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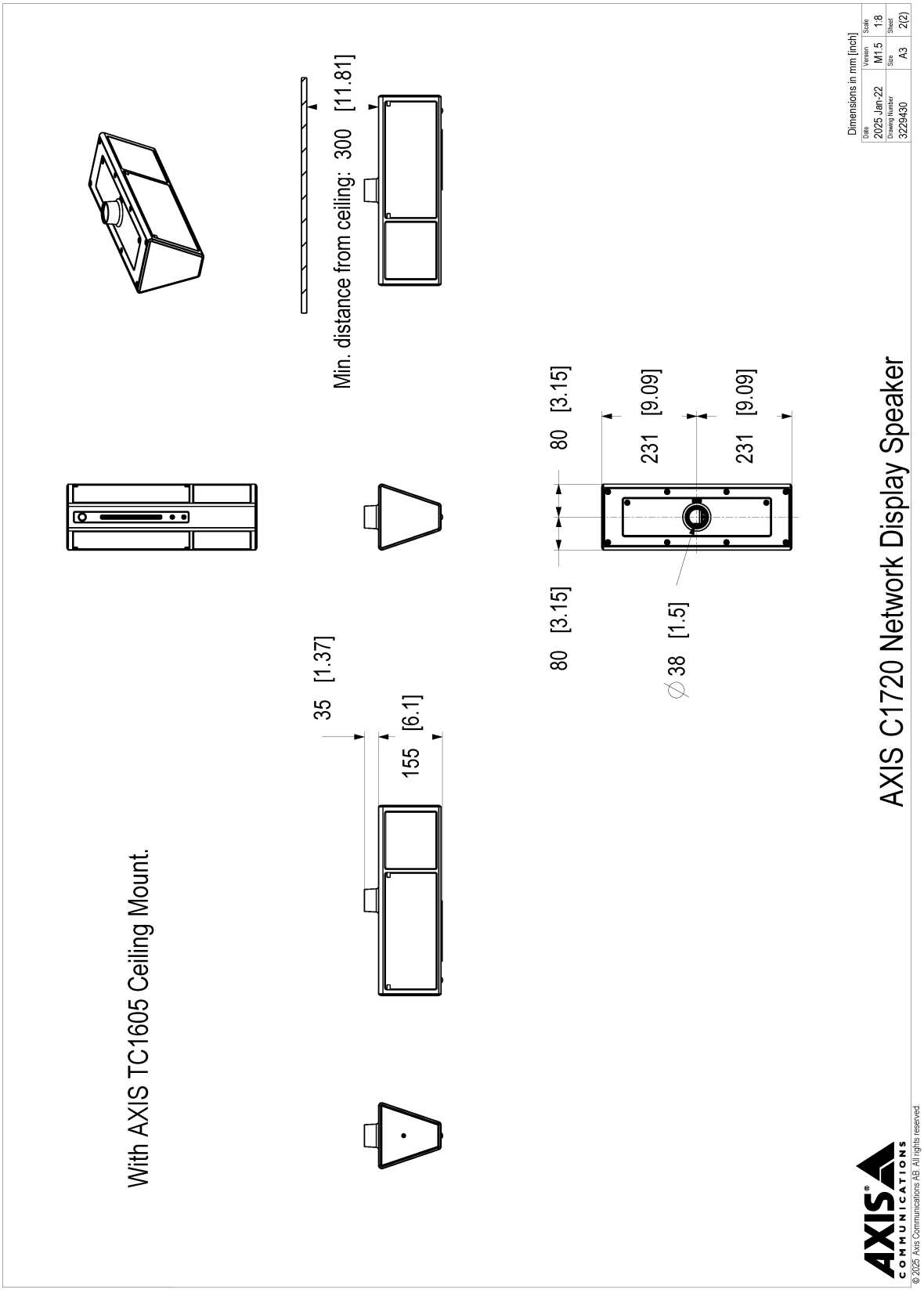

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