

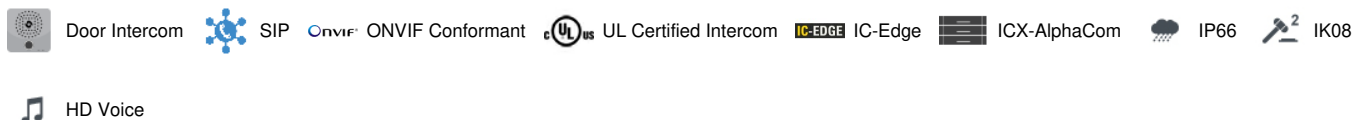



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TCIS-1 | General Purpose Intercom

IP and SIP Intercom

- ✓ Durable yellow thermoplastic front plate with one call button, plus M (Microphone Off) and C (Cancel) buttons
- ✓ Advanced Audio Technology - High sound pressure levels, automatic volume gain control, and active noise and echo cancellation for superior clarity.
- ✓ Weather-Resistant (IP66) & Robust (IK08)
- ✓ ONVIF Certified - for seamless video and device integration
- ✓ Seamless Integration - Fully compatible with Zenitel Connect Pro, ICX-AlphaCom, IC-EDGE, and SIP-based systems.



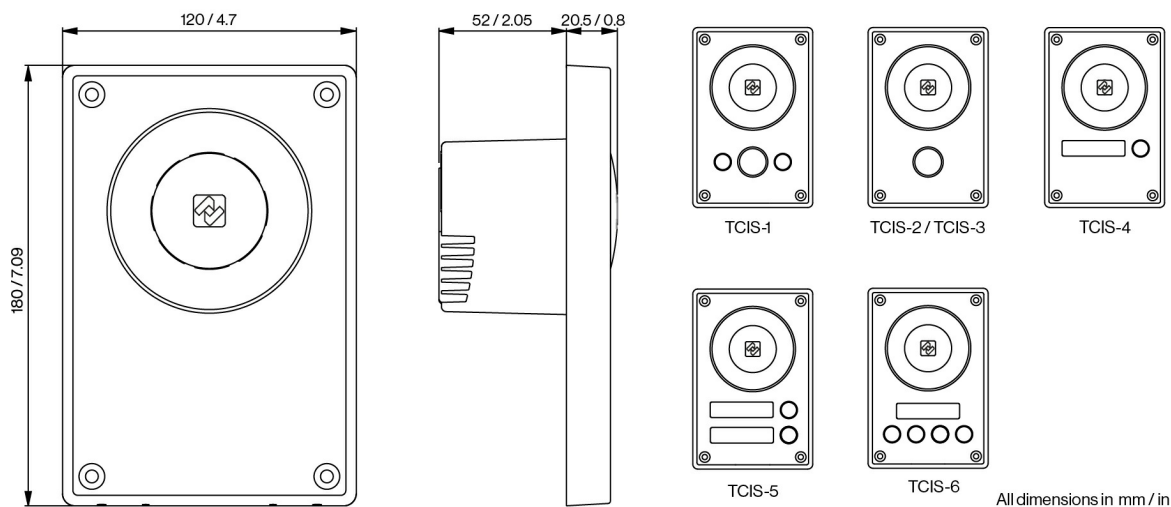
 HD Voice

Description

This intercom station is engineered with advanced audio technologies to ensure optimal intelligibility in challenging environments. It features wideband HD voice for enhanced clarity, Open Duplex for natural two-way communication, and integrated noise suppression and acoustic echo cancellation algorithms for clean audio in noisy settings. The unit incorporates a high-sensitivity MEMS microphone, a 10W Class D amplifier for high-output performance, and a custom-engineered speaker grille optimized for acoustic dispersion and protection. Backed by over 70 years of expertise in audio and communication systems, this platform delivers consistently superior sound quality across diverse applications.

See also: [additional documentation on wiki.zenitel.com](https://wiki.zenitel.com)

Technical Dimensions



Specifications

AUDIO

Max SPL @ 0.5m	105 dB
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz – 7000 Hz
Audio technology	Full open duplex, switched open duplex
	Sound level detection (scream alarm)
	Automatic gain control
	Automatic volume control (AVC)
	Acoustic Echo Cancellation (AEC)
	Noise cancelling
Internal speaker amplifier	10 W class D
Internal speaker	10 W
Microphone technology	Digital MEMS, omnidirectional microphone

NETWORKING AND PROTOCOLS

Application Protocols	SIP, SIPS, HTTP, HTTPS, TFTP, RTP, SRTP, RTCP, RTSP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery
IP Versions	IPv4 & IPv6
LAN protocols	Power over Ethernet (IEEE 802.3 a-f), Network Access Control (IEEE 802.1x)
Advanced supervision functions	Keep alive test, tone test, status reports
SIP Support	RFC 3261 (SIP base standard) RFC 3515 (SIP refer) RFC 2976 (SIP info), SIP using TLS, RFC 5630 SIPS URI scheme
DTMF Support	RFC 2833, 2976 (SIP info)
Integration and API	Connected to ICX-AlphaCom through AlphaCom protocol ACDP
	Connected to Zenitel Connect Pro through Zenitel Link
	ONVIF

HARDWARE

Ethernet connector	1 x RJ 45
General inputs and outputs	6 (configurable)
Outputs	12mA as LED drivers
Change-over relay (NO+NC+COM)	SELV
Power options	PoE or 24 VDC (16 – 48 V)
PoE (power over Ethernet)	IEEE 802.3af standard
Power consumption	Idle 1.8W, max 12W (depending on volume)
Button backlight	LED
Call indication	Icons/colors for hearing impaired

CONSTRUCTION

Dimensions (HxWxD)	180 x 120 x 73 mm / 7.1" x 4.7" x 2.9"
Dimensions after flush mount	180 x 120 x 24 mm / 7.1" x 4.7" x 0.9"
Dimensions with on wall box	180 x 120 x 86 mm / 7.1" x 4.7" x 3.4"
Weight	0.8 kg / 1.8 lbs
Faceplate material	3 mm / 0.12" PMMA, colour printed on back side
Base / frame material	3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted
Electronics cover material	Polycarbonate (translucent)
Gasket material	Silicone rubber
Loudspeaker poke protection, small diameter objects	Stainless steel mesh, acoustically transparent

ENVIRONMENTAL COMPLIANCE

IP rating	IP66
IK rating	IK08
Operating temperature range	-40° to 70° C / -40° to 158 ° F
Storage temperature range	-40° to 70° C / -40° to 158 ° F
Relative humidity	< 95% not condensing
Corrosion	Salty mist, tested according to EN60945
Vibration	Tested according to EN60945

APPROVALS

EMC	EN 61000-6-1, EN 61000-6-3, FCC part 15
Safety	IEC 62368-1, IECCE CB
Sustainability	RoHS, REACH

OTHER SPECIFICATIONS

Country of manufacture	Poland
Warranty	2 Years standard warranty, extendible up to total of 5 years (additional fee)

Accessories



TA-1
Turbine Compact Onwall Back Box



TA-2
US 2-Gang 3 1/2" Deep Backbox



TA-5
Bracket for US 2 GANG Double Depth
Back Box



TA-18
Turbine Compact Flush-Mount Back Box



TA-14
Microphone windshield for TCIS / TCIV



Touchless Sensor