1008117010

TMIV-1+

IP & SIP Video Intercom

IC-EDGE IC-Edge

IP44

SIP

Video Intercom

ICX-AlphaCom

AVAYA Avaya Certified

CISCO Certified

ONVIF ONVIF Conformant

UL Certified Intercom

Turbine

HD Voice

Automatic Gain Control
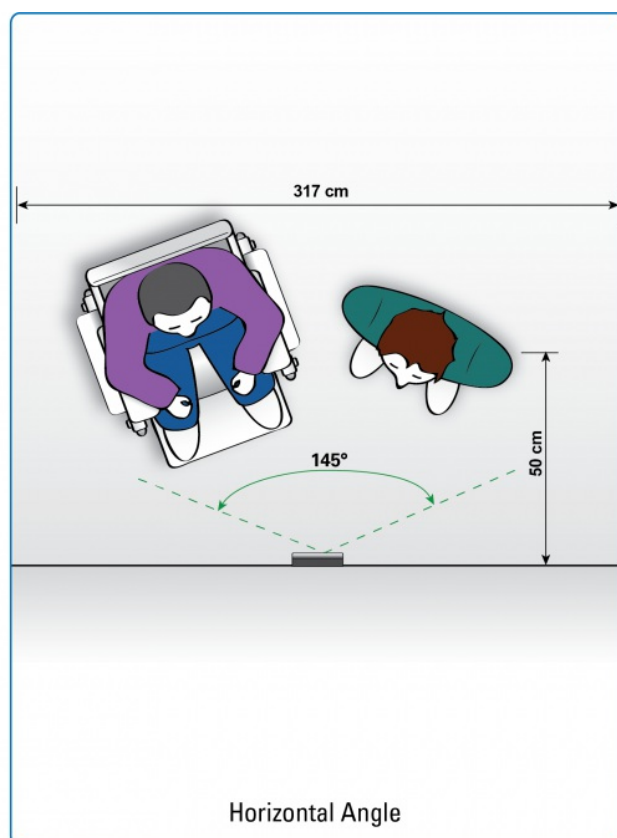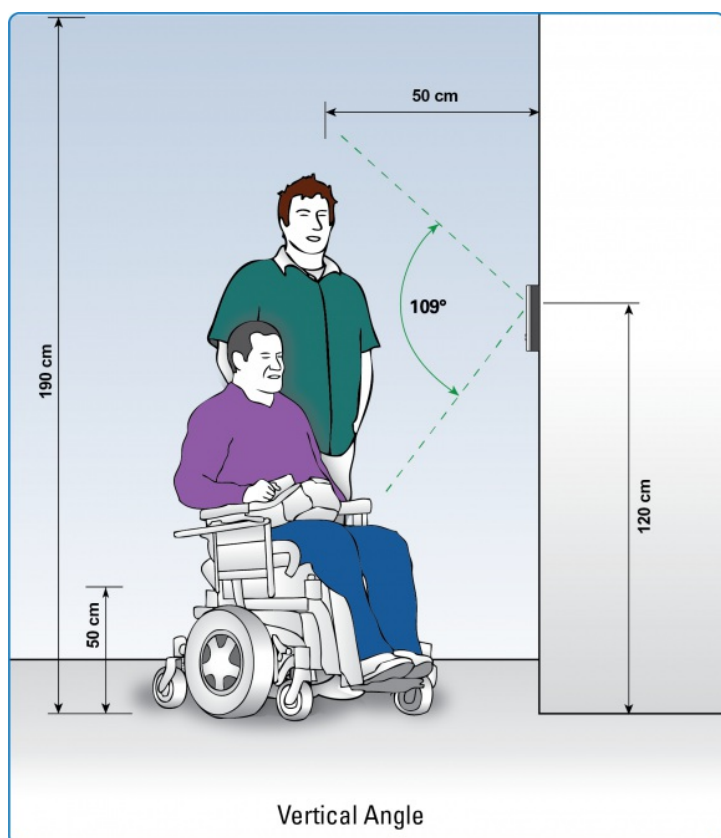
Active Noise Cancelling

H.264

- Powerful audio technology including high sound pressure, automatic volume gain control, and active noise echo canceling
- HD video up to 1080p resolution
- Wide angle lens
- ONVIF Conformant
- Background noise cancellation
- Built to last with robust die-cast aluminum frame
- Supports wide set of IP and networking standards
- White thermoplastic front plate with one button
- Ideal for Building Security and Public Environments

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DESCRIPTION

The TMIV+ Turbine Mini Video Intercom combines unrivaled high-quality audio with exceptional video, providing users a communication solution for any situation and allowing seamless integration with other security systems. The TMIV-1+ is designed for indoor and outdoor use and is typically used as a communication, information or emergency point and door station, and connects directly to the IP network. This makes it easy to deploy anywhere and at any distance.

The TMIV-1+ Video Intercom comes with many features, some of which include: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, a 10W Class D amplifier, wide FoV HD Video, Digital PTZ, and support for H.264 and MJPEG. These features, in conjunction with Zenitel's decades-long experience with acoustic technology, are just a few of the many factors that contribute to our superior audio and video quality.

Vertical Angle

Horizontal Angle

SPECIFICATIONS

AUDIO

SPL peak power in half and open duplex	90 dB
Noise cancelling - suppression of musical noise	Yes
Noise cancelling - suppression of static noise	Yes
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz – 7000 Hz
Audio technology	Modes: Full open duplex, switched open duplex,
	Adaptive jitter buffer
	Custom Ringing Tone
	Audio Mixing – Conversation and Group Call
	Sound Level Detection / scream alarm (in AlphaCom mode)
	Automatic gain control (microphone)
Internal speaker amplifier	10 W Class D
Internal speaker	1 W
Microphone technology	Digital MEMS, omnidirectional microphone
Automatic Volume Control (AVC)	Yes
Acoustic Echo Cancellation (AEC)	Yes

VIDEO

Image Sensor	1/2.5" RGB CMOS

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VIDEO

Lens	F 2.0, fixed iris
Light Sensitivity	Down to 1 lux
Resolution	240 / 480p / 960x720p / 1440x1080p *
Frame Rate	Up to 30 FPS in 1440x1080p **
Supported Codecs	MJPEG, H.264 ***
Digital PTZ	Yes
Digital Zoom	Up to 2x
Field of View	horizontal=145 degrees, vertical=109 degrees ****
Snapshot Function	No
IR LED	No
Parallel Video Streams	6 (1x SIP H.264, 2x HTTP MJPEG, 3x RTSP sessions)

* MJPEG does not support 720p and 1080p resolution.

** 30 FPS is only supported in H.264 mode, while MJPEG is limited to 10 FPS.

*** AlphaCom mode supports only RTSP H.264 mode, while other modes support SIP H.264.

**** FoV depends on video mode (may be subject to change)

HARDWARE

Ethernet connector	1 x RJ45
All other connectors	Tool less, spring loaded, vibration proof terminals
General inputs and outputs	6 (configurable)
Outputs	12mA as LED drivers
Change-over relay (NO+NC+COM)	SELV
Power options	PoE, PoE+, external power supply
PoE (power over Ethernet)	IEEE 802.3af standard, IEEE 802.3at
External power supply	24VDC - 48VDC
Power consumption	Idle 3.5W, max 12W (depending on volume)
Audio line out / Induction loop signal	0 dBV
Button backlight	LED
Call indication	Icons/colors for hearing impaired

PROCESSOR/CHIPSET

CPU cores	4 x Cortex-A53
CPU clock speed	1.6 GHz
RAM	512 MB LPDDR4
Flash	1 GB
Video encoder	MJPEG, H.264
Dual image	Yes

CONSTRUCTION

Dimensions (HxWxD)	117 x 117 x 43.5 mm
Dimensions after flush mount	117 x 117 x 8.5 mm
Weight	0.3 kg
Button material	3 mm / 0.12" Polycarbonate (transparent)
Faceplate material	2 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)
Loudspeaker poke protection, large diameter objects	Thermoplastic faceplate with machined grille
Loudspeaker poke protection, small diameter objects	Stainless steel mesh, acoustically transparent

NETWORKING & PROTOCOLS

Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, RTSP, RTCP, SRTP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery

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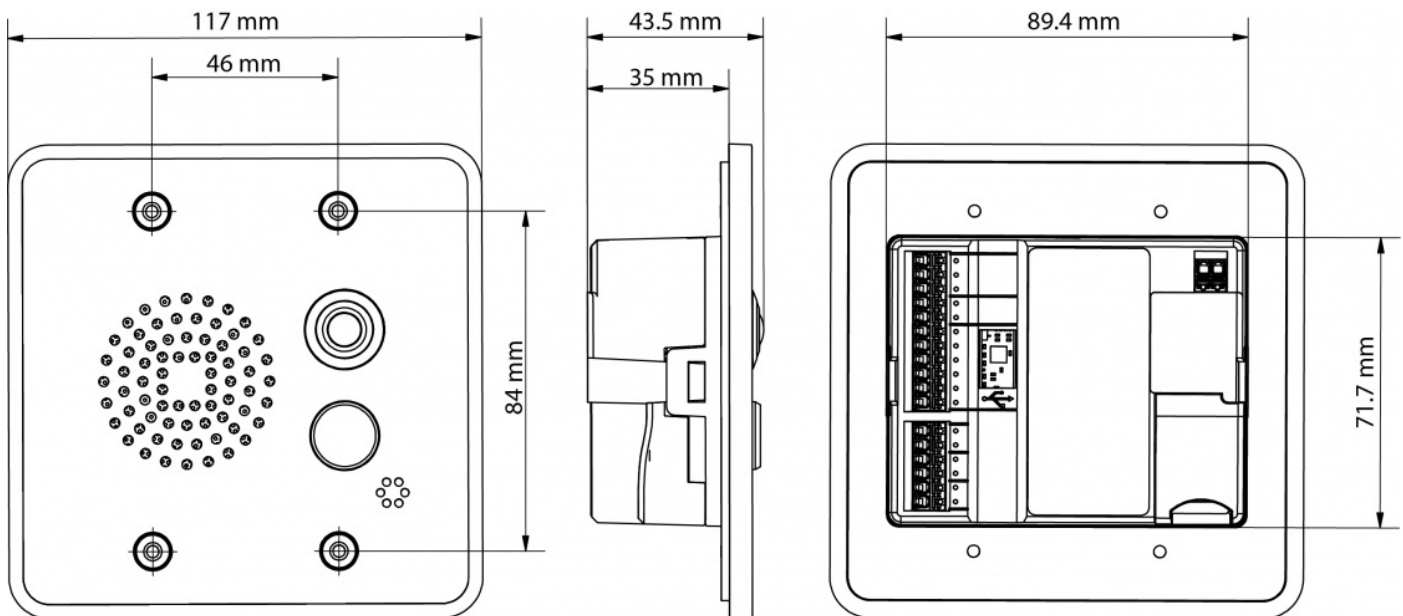|	
LAN protocols	Power over Ethernet (IEEE 802.3 a-f), Power over Ethernet (IEEE 802.3at), Network Access Control (IEEE 802.1x)
Management and operation	HTTP/HTTPS (Web configuration) DHCP and static IP. Remote automatic software upgrade. Centralized monitoring.
Advanced supervision functions	E.g. network 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	AlphaCom, Scripting (plugins)

ENVIRONMENT & COMPLIANCES

Ingress Protection Rating	IP44*
UV Resistant	YES
Operating Temperature Range	-25 to 55°C / -13 to 131°F
Storage Temperature Range	-25 to 55°C / -13 to 141 °F
Relative Humidity	< 95% non-condensing
EMC	CE and FCC part 15
Certification	UL 62368-1, EN 62368-1
Compliances	EN 61000-6-1, EN 61000-6-3
	*If mounted according to guidelines in the mounting manual

CERTIFICATION

ONVIF Conformant

TECHNICAL DIMENSIONS

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ACCESSORIES

TA-2
Item number: 1008140020

TA-3
Item number: 1008140030

TA-13
Item number: 1008140130

TA-32
Item number: 1008140320