



1008317110

## TEIV-1+ Keypad Intercom

Turbine Extended IP Video Intercom with Keypad and Display

- Full Numeric Keypad Intercom, with scroll, confirm and cancel keys
- Can operate as door controller via I/O relay
- Powerful audio technology including high sound pressure, automatic gain control, and active noise echo canceling
- ∠ HD video up to 1080p resolution
- Wide angle lens
- OLED Display
- ONVIF Conformant
- ✓ IP66- Dirt, dust and water resistant (w/TA-33)



### Description

The TEIV-1+ builds on the latest Turbine Video intercoms to offer a full keypad intercom enabling a user input a PIN (upto 6 digits) offering a simple, yet secure, access control feature. The keypad can also be used by visitors to dial the directory number of an intercom within the building, or use the scoll keys to look up a contact in the address book.

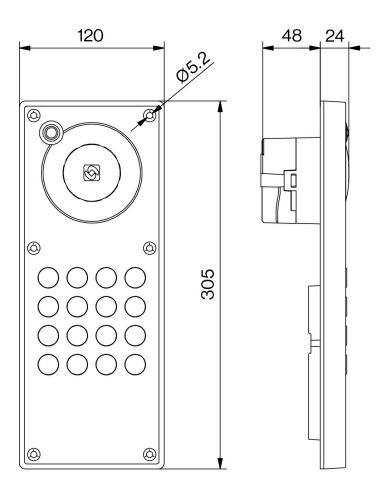
All IP stations in the Turbine series utilize the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, a 10W Class D amplifier and our unique speaker grille design. These features, in conjunction the company's 70+ years of experience with acoustic technology, are just a few of the many factors that contribute to our superior audio quality. The Turbine IP Video Intercom range expands this feature set with wide FoV HD Video, Digital PTZ and support for H.264 and MJPEG.

- Powerful audio technology including high sound pressure, automatic gain control, and active noiseecho canceling
- OLED Display
- High performance hardware platform with 4x Cortex-A53 CPU cores and 512MB LPDDR4 RAM
- Vandal Resistant Design
- ✓ IP66- Dirt, dust and water resistant (w/TA-33)
- Cybersecurity compliant
- Ocan operate in SIP, IC-EDGE and ICX-AlphaCom mode

See Zenitel Wiki for more information

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## **Technical Dimensions**



All dimensions are in mm

# Specifications

#### AUDIO

SPL peak power at 1m in open duplex	90 dB
SPL peak power at 1m in half duplex	100 dB
SPL peak power at 1m in program distribution and announcement	100 dB
Noise cancelling - suppression of musical 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 (only in AlphaCom)
	Automatic gain control (microphone)
Internal speaker amplifier	10 W class D
Internal speaker	10 W
Microphone technology	Digital MEMS, omnidirectional microphone
Automatic Volume Control (AVC)	Yes
Acoustic Echo Cancellation (AEC)	Yes

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#### **VIDEO**

Image Sensor	1/2.5" RGB CMOS	
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	Configurable up to 180 degrees horizontally and vertically	
Parallel videostreams	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.	

#### **HARDWARE**

Ethernet connector	1 x RJ-45
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)	2A, 60W, SELV
Power options	PoE, PoE+
PoE (Power over Ethernet)	IEEE 802.3af standard, IEEE 802.3at
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.
Door open indication	Icons/colors for hearing impaired
Display technology	PMOLED
Display contrast	20000:1
Display brightness	120 cd/m2

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#### 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

305 x 120 x 73 mm / 12.01" x 4.7" x 2.9"	
305 x 120 x 24 mm / 12.01" x 4.7" x 0.9"	
305 x 120 x 86 mm / 12.01" x 4.7" x 3.4"	
1.08 kg / 2.2 lbs	
3 mm / 0.12" PMMA, color printed on backside	
3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted	
Polycarbonate (semi translucent)	
TPV	
SECC Steel	
3 mm / 0.12" Polycarbonate (transparent)	
3D cast aluminum speaker grille	
Stainless steel mesh, acoustically transparent	
Open flow anechoic design	
	4.7" x 2.9"  305 x 120 x 24 mm / 12.01" x 4.7" x 0.9"  305 x 120 x 86 mm / 12.01" x 4.7" x 3.4"  1.08 kg / 2.2 lbs  3 mm / 0.12" PMMA, color printed on backside  3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted Polycarbonate (semi translucent)  TPV  SECC Steel  3 mm / 0.12" Polycarbonate (transparent)  3D cast aluminum speaker grille  Stainless steel mesh, acoustically transparent

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#### **NETWORKING & PROTOCOLS**

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

#### **ENVIRONMENTAL**

IP rating	IP-66, tested according to EN 60529 (applies when mounted in TA-33 back box)
Operating temperature range	-30° to 70° C / -22° to 158 ° F
Storage temperature range	-40° to 70° C / -40° to 158 ° F
Relative humidity	< 95% not condensing
UV-resistant	Yes

#### **CERTIFICATIONS**

ONVIF Conformant	Profile S
EMC	CE and FCC Part 15

## Accessories

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Turbine Extended On-wall Backbox



TA-34

Turbine Extended Flushmount Backbox

## **Used With**



ITSV-4

HD IP Video Phone with 5" Screen



ITSV-5

HD IP Video Phone with 8" Screen