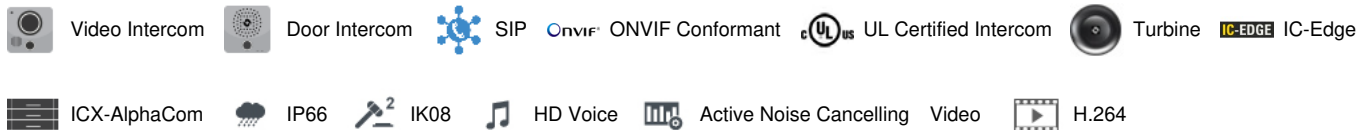1008318240

TEIV-4+ Intercom with card reader

Turbine Extended IP Video with RFID card mount

The Turbine Extended IP Video RFID Intercom with card reader combines high-quality audio, video, and space for leading 3rd party card readers, offering a versatile communication solution for any situation.

- ⊘ Easy installation of access control end-points and seamless integration with other security systems
- ⊘ Includes space for 3rd party Card Readers like HID & Elatec
- ⊘ Powerful audio technology including high sound pressure, automatic gain control, and active noise echo canceling
- ⊘ HD video up to 1080p resolution
- ⊘ Wide angle lens
- ⊘ High performance hardware platform with 4x Cortex-A53 CPU cores and 512MB LPDDR4 RAM
- ⊘ ONVIF Conformant
- ⊘ Cybersecurity compliant

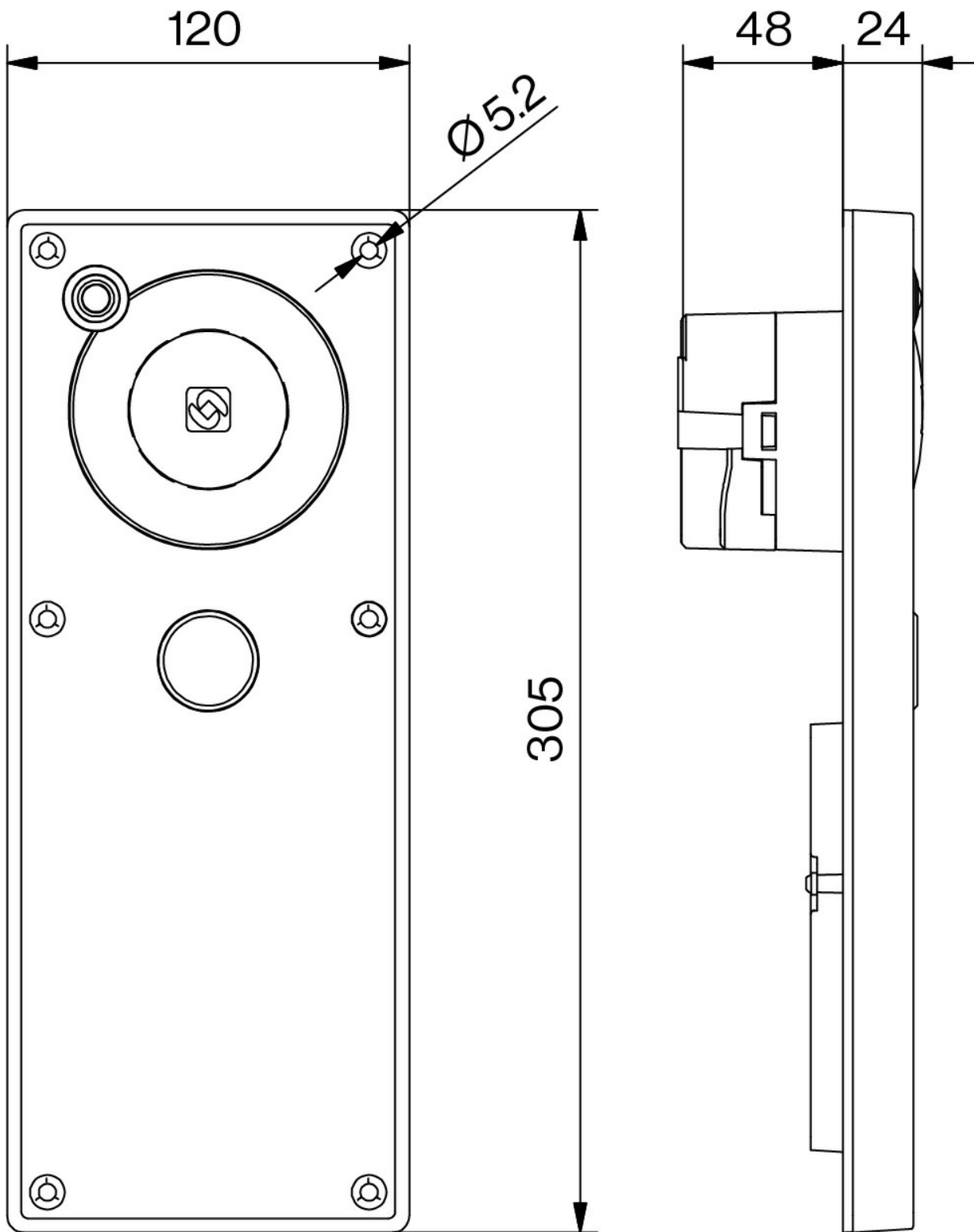| Video Intercom	Door Intercom	SIP	ONVIF Conformant	UL Certified Intercom	Turbine	IC-Edge
ICX-AlphaCom	IP66	IK08	HD Voice	Active Noise Cancelling Video	H.264	

Description

The TEIV-4+ builds on the lastest Turbine Video intercom platform, offering a video intercom chassis with mounting space and holes for HID Signo 20 (Terminal Strip), and Palon Compact Legic (TWN4 PCB) card readers.

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 with the company's decades-long 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.

- ⊘ 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)
- ⊘ Can operate in SIP, IC-EDGE and ICX-AlphaCom modes

See Zenitel Wiki for more information

Technical Dimensions

120

48 24

Ø5.2

305

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

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	horizontal=145 degrees, vertical=109 degrees ****
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.
	**** FoV depends on video mode (may be subject to change)

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)	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.

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)	305 x 120 x 72,5mm / 12" x 4.7" x 2.9"
Dimensions after flush mount	305 x 120 x 24 mm / 12.01" x 4.7" x 0.9"
Dimensions with on wall box	305 x 120 x 86 mm / 12.01" x 4.7" x 3.4"
Weight	1.05 kg
Faceplate material	2 mm / 0.08" PMMA, color printed on backside
Base / frame material	3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted
Electronics cover material	Polycarbonate (semi translucent)
Gasket material	TPV
Fastening bracket material	SECC Steel
Button material	3 mm / 0.12" Polycarbonate (transparent)
Button travel length	1.25 mm
Button activation force	350 gf
Button push-cycles before failure	300 000
Loudspeaker poke protection, large diameter object	3D cast aluminum speaker grille
Loudspeaker poke protection, small diameter objects	Stainless steel mesh, acoustically transparent
Anechoic Design	Open flow anechoic design eliminates "standing waves"

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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-1 back box)
Operating temperature range	
Storage temperature range	
Relative humidity	< 95% not condensing
UV-resistant	Yes
EMC	CE and FCC Part 15

CERTIFICATIONS

ONVIF Conformant	Profile S

OTHER SPECIFICATIONS

IP address information	Speaks IP address after system boot
Button lifetime	> 1 000 000 cycles
Country of manufacture	Poland

Accessories

www.ringuk.com   sales@ringuk.com

Touchless Sensor

Used With

ITSV-4

HD IP Video Phone with 5" Screen

ITSV-5

HD IP Video Phone with 8" Screen