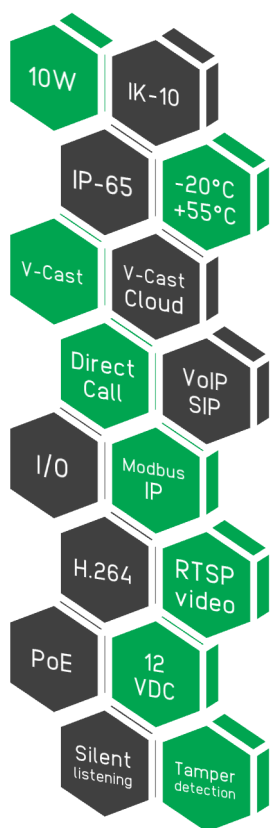


VPI-4

IP Vandalproof Prison Intercom, 4 buttons



- Front panel made of 3mm stainless steel
- 4 buttons
- VoIP, SIP
- 10W class D amplifier
- 2 relays
- IP-65, IK-10
- Loudspeaker and microphone poke protection
- Music distribution with volume control
- PoE



VPI-4 is an IP Vandalproof prison intercom with 4 buttons designed for voice communication via the IP network infrastructure. Its vandalproof and waterproof design is made of 3mm acid-resistant, stainless steel (grade 1.4301), which enables continuous use in difficult conditions in penitentiary units. Intercom has 1 call button, 1 music channel selection button, 2 volume buttons, microphone and speaker poke protection, and a sabotage sensor informing about the inmate's manipulation of the intercom and violation of its structure. The intercom is designed for flush mounting.

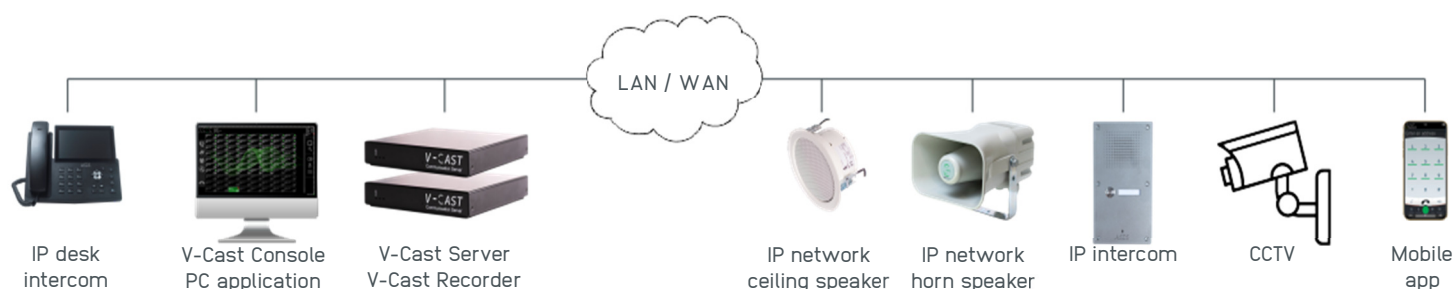
The intercom can be registered in the V-Cast server, the V-Cast Cloud service as well as in a standard VoIP telephone exchange supporting the SIP protocol. It can also work in serverless Direct Call mode (Peer-To-Peer P2P), in which the connection is established directly between devices.

VPI-4 allows to make individual calls, group calls, and general calls, as well as storing recorded voice and alarm messages in the internal memory. Messages can be played depending on the current device status, activated by the operator during a call, or via HTTP.

The intercom supports several operating modes that can be used depending on current needs such as conversation, Push-To-Talk, listening, paging, broadcast. The intercom allows you to make VoIP video calls. During the call, an RTSP video stream is downloaded from the CCTV camera, which together with the audio is sent to the videophone.

The intercom enables intelligible voice communication thanks to the transmission of sound in a wide acoustic band, and an efficient class D power amplifier, which provides very high volume. The intercom supports two different echo cancellation algorithms, including AEC and attenuate, ensuring very good quality of voice communication.

The VPI-4 intercom module has 2 relays for controlling external devices, 3 inputs for connecting buttons/external sensors and systems, and a 4x4 numeric keypad connector that can also serve as an additional 14 inputs. An optical LED signaling device and an external call cancellation button can be connected to the intercom.



TECHNICAL PARAMETERS

AUDIO

Power amplifier:	10W class D
Audio codecs:	g.711a, g.711u, g.722, g.726
Volume adjustment:	Independent for conversation, ring, tones, prerecorded audio files, paging, emergency message volume, microphone input gain, microphone input gain in listen mode
Operating modes:	Conversation, Push-To-Talk, Paging, Broadcast, Emergency, Listening-in, Audio files playback
Audio diagnostics:	Noise detection Verification of the audio path (speaker-microphone)

VIDEO

Camera:	IP-RTSP
Video codecs:	H.264

CONNECTORS

Ethernet:	1x RJ45 (100Mbps)
Power In:	1x
Power Out:	1x (12VDC)
Digital inputs:	3x + 14x (keyboard connector)
Relay:	2x NO/NC (60V, 100mA)
InfoLED output:	1x

ELECTRICAL

Power supply:	PoE (IEEE 802.3af standard, Class 0) or 12VDC
Power consumption:	1W (nominal), 15W (max)

MECHANICAL

Dimensions (W x H x D):	260 x 120 x 65mm
Weight:	1,4kg
Front panel:	3mm, acid-resistant, stainless steel, grade 1.4301
Montage:	Flush mounting
IP rating:	IP-65
IK rating:	IK-10*

ENVIRONMENTAL

Operating temperature:	-20°C do +55°C
Relative humidity:	5% - 90% not condensing

PROTOCOLS

IP protocols:	ARP, IPv4, ICMP, IGMP, TCP, UDP, DHCP, DNS, SIP, HTTP, Telnet, RTP, RTCP, SNTP, Modbus TCP, Modbus UDP
SIP protocols:	RFC 3261, SIP Info (DTMF), RFC 2833 (DTMF)
IP address:	Static, DHCP
Management:	http, telnet

CERTIFICATES

CE

* Does not apply to the button

ELEMENTS



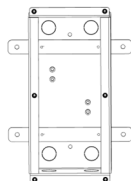
VPI-1



VPI-4



VPI-6



VPI-FB



VPI-R



VPI-R-FB



VPI-S3



VPI-R2

ACCESSORIES

Item number	Name
VPI-FB	Flush mounting back box for VPI
VPI-R	Reset button with label, stainless steel
VPI-R-FB	Flush mounting metal back box for VPI-R
VPI-R2	Reset button, stainless steel
VPI-S3	LED indoor optical signaling device, 1 color, orange

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