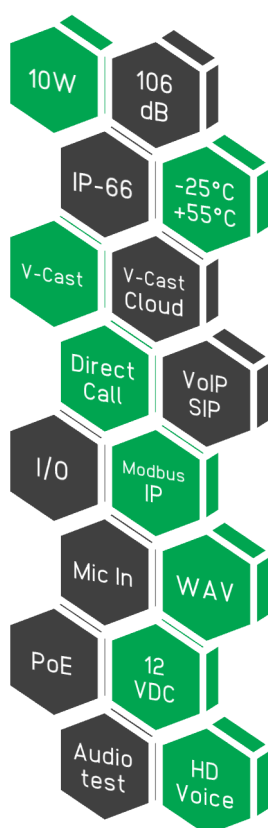


VCLSC101P

IP network column speaker, 10W



- VoIP, SIP
- Class D amplifier
- Microphone input
- Storing audio messages in internal memory
- 2 relays
- 17 inputs
- Powder-coated aluminum housing
- IP-66
- PoE



VCLSC101P is an IP network column speaker designed to broadcast messages via an IP network infrastructure. The loudspeaker is made of high-quality, corrosion-resistant aluminum, powder coated in RAL 9006 color. The loudspeaker consists of 2 high-quality, 77mm, full-range loudspeaker.

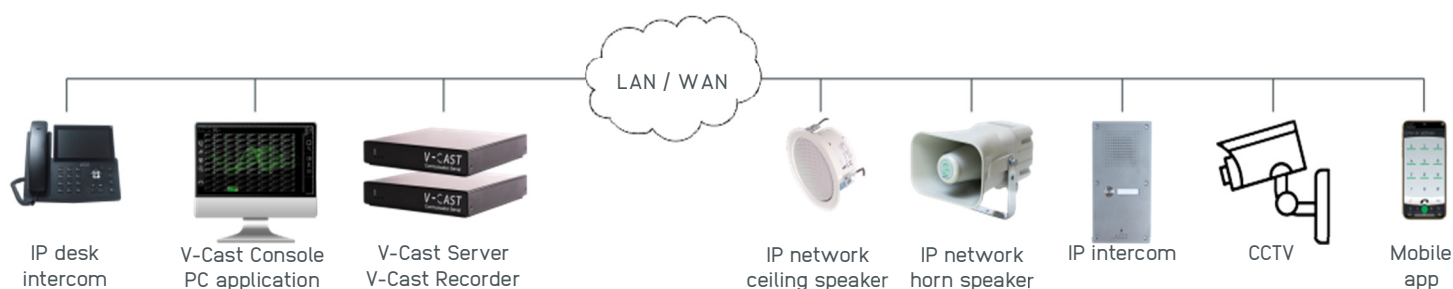
The speaker can be registered in the V-Cast server, the V-Cast Cloud service as well as in a standard VoIP telephone exchange supporting the SIP protocol. It can also work in serverless Direct Call mode (Peer-To-Peer P2P), in which the connection is established directly between devices.

VCLSC101P 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 speaker supports several operating modes that can be used depending on current needs such as conversation, Push-To-Talk, listening, paging, broadcast. Connecting external microphone to the loudspeaker enables listening in, 2-way conversation, and it is possible to perform an audio test.

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

The speaker 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.



TECHNICAL PARAMETERS

SPEAKER

Nominal power: 10W
Frequency range: 195-19700Hz
SPL (1W/1m): 96dB
SPL (max): 106dB
Radiation angle: H: 190°, V: 110°

AUDIO

Power amplifier: 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

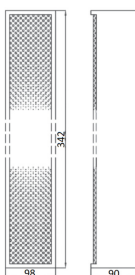
CONNECTORS

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
Microphone input: 1x electret
Keyboard: Matrix 4x4 with backlit
I2C connector: 1x
USB connector: 1x

Cable glands:

2x

DIMENSIONS:



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): 342x98x90mm
Weight: 1,7kg
Housing material: Powder-coated aluminum, color RAL-9006 grey other colors on request
Montage: Wall-mounted
IP rating: IP-66

ENVIRONMENTAL

Operating temperature: -25°C to +55°C
Relative humidity: 5% - 95% 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

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OTHER IP NETWORK SPEAKERS



IP network ceiling
speaker
VCLCE061P



IP network wall
speaker
VCLWL061P



IP network horn
speaker
VCLH301P



IP network music horn
speaker
VCMLH301P



IP network projector
speaker
VCLDW101P



IP network column speaker
20W
VCLSC201P