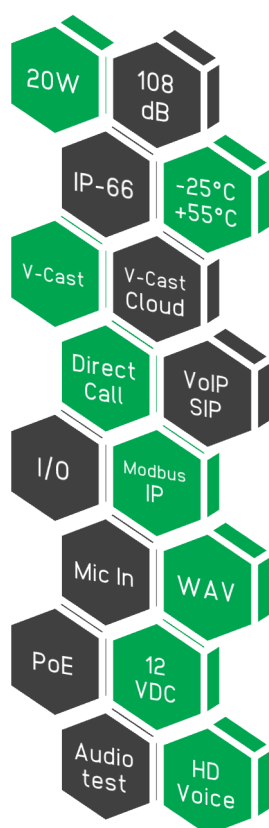


# VCLSC201P

IP network column speaker, 20W



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



VCLSC201P 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 4 high-quality, 77mm, full-range loudspeaker.

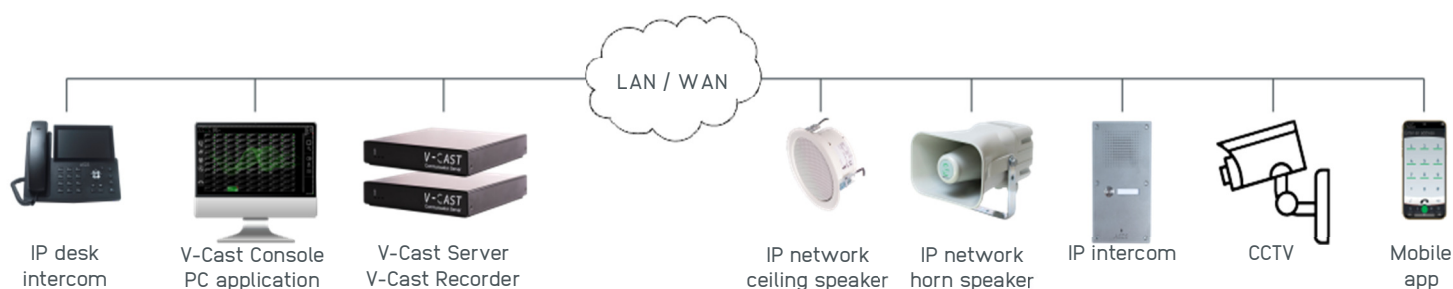
The speaker can be registered in the V-Cast server, the V-Cast Cloud service as well as in a standard VoIP telephone exchange supporting the SIP protocol. It can also work in serverless Direct Call mode (Peer-To-Peer P2P), in which the connection is established directly between devices.

VCLSC201P 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: 20W  
Frequency range: 210-18300Hz  
SPL (1W/1m): 98dB  
SPL (max): 108dB  
Radiation angle: H: 190°, V: 50°

### 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

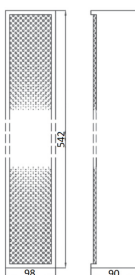
### CONNECTORS

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): 542x98x90mm  
Weight: 3,8kg  
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  
10W  
VCLSC101P