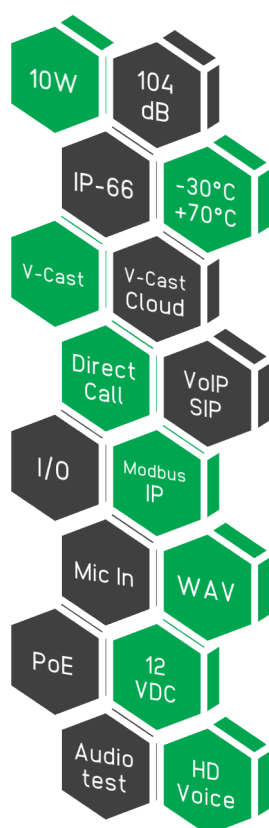


VCLDW101P

IP network projector 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



VCLDW101P is an IP network horn speaker designed for broadcasting messages via the IP network infrastructure. The loudspeaker is made of high-quality, powder-coated aluminum, resistant to corrosion. It is equipped with a high-quality 130mm wide range speaker. It is perfect for both indoor and outdoor use as it has an IP-66 protection rating.

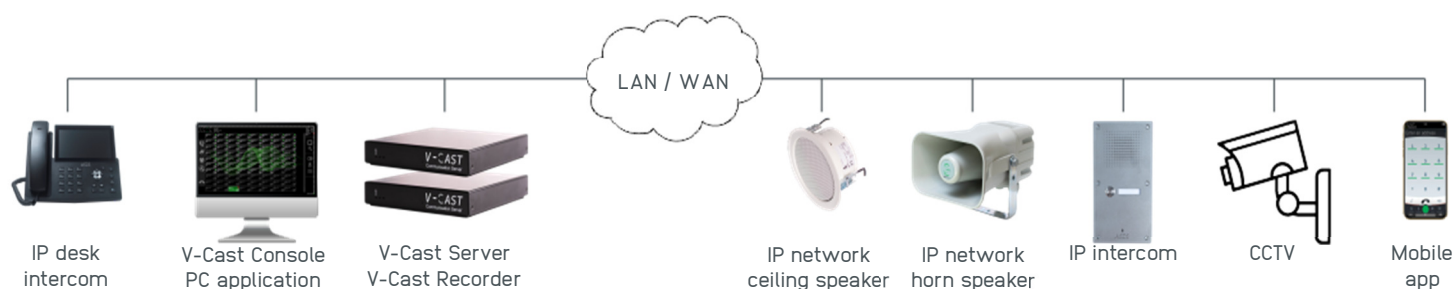
The speaker can be registered in the V-Cast server, the V-Cast Cloud service as well as in a standard VoIP telephone exchange supporting the SIP protocol. It can also work in serverless Direct Call mode (Peer-To-Peer P2P), in which the connection is established directly between devices.

VCLDW101P 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: 125-20000Hz
SPL (1W/1m): 94dB
SPL (max): 104dB
Radiation angle: 180°

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

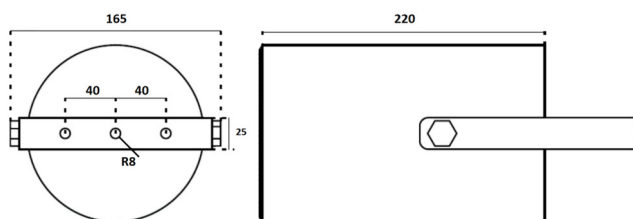
Camera: IP-RTSP
Video codecs: H.264

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 (Ø x D): Ø 140 x 220mm
Weight: 2,8kg
Housing material: Powder-coated aluminum, color RAL-9010 white other colors on request
Montage: Wall-mounted, U holding bracket
IP rating: IP-66

ENVIRONMENTAL

Operating temperature: -30°C to 70°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

ACCESSORIES

Item number	Name
VCLH301_UM	Pole mount set
VCLH301_Mic	Microphone to VCLH301P
VCLH301_Led	LED signaling module to VCLH301P

Would You like to know more?



ADVANCED
SECURE
COMMUNICATION
SOLUTIONS

ASCS Sp. z o.o.
Żwirki i Wigury 65A
43-190 Mikołów
Poland

www.v-cast.pl/en
www.ascs.pl
ascs@ascs.pl
tel.: +48 32 442 00 24

OTHER IP NETWORK SPEAKERS



IP network ceiling
speaker
VCLCE061P



IP network wall
speaker
VCLWL061P



IP network horn
speaker
VCLH301P



IP network music horn
speaker
VCMHL301P



IP network column
speaker 10W
VCLSC101P



IP network column speaker
20W
VCLSC201P