

Technical Specifications

VIP-431A-DS IP Digital Clock/Speaker Assembly

- PoE (IEEE 802.3af)
- Dual system that serves as a paging system and clock
- High-efficiency Class-D amplifier
- Network Time Protocol (NTP) synchronization
- InformaCast® and Intrado Revolution® version available
- Indoor use only



*4-digits digital clock
One-way/talkback programmable speaker*

Description:

The VIP-431A-DS IP 4-Digit Digital Clock/Speaker Assembly is a gray metal wall speaker with a clock. The speaker can be either one-way or talkback and provides voice access and a visual time line to a single zone over an IP-based network. The clock synchronization is initiated via connection to any Network Time Protocol. The VIP-431A-DS is an ideal and effective solution for any environment such as offices, meeting rooms, gymnasiums, warehouses and hallways.

SPECIFICATIONS

SPEAKER ELEMENT

Cone diameter: 8-inch (20.32 cm)
Voice coil impedance: 45 Ohms
Cone type: 5oz (142g) ceramic magnet

AUDIO OUTPUT

Rating: > 96 dB @ 4ft (1.22 m)
Signal/noise ratio: -70
The -10dBm line level out may be connected to up to 40 Valcom Self Amplified Speakers

NETWORK

10/100 Mbps Ethernet port
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
Time and date synchronization using NTP

POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

AUDIO CODECS

G.711 u-law, others

PROTOCOLS

IETF SIP (RFC3261)
IETF IGMP version 3 (RFC3376)
IETF RTP (RFC1889)
IETF RFC2833

FREQUENCY RESPONSE

80 Hz to 15 kHz

ENVIRONMENT

Temperature: +32 to +104 °F (0 to +40 °C)
Humidity: 0 to 85% non-precipitating

CLOCK DISPLAY

12-hour or 24-hour format
Size/Color: 2.5 inch red characters
Visibility: 100 feet

HOUSING AND FINISH

Speaker: Steel housing with a gray powder coated finish

DIMENSIONS AND WEIGHT

14.90in H x 12.40in W x 4.80in D1 (top, with grille)
1.40in D2 (bottom)
(37.80cm x 31.50cm x 12.20cm (D1)
3.60cm (D2)
Weight: 4.25lbs (1.91kg)
Shipping Weight: 8.90lbs (4.01cm)

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ARCHITECTS AND ENGINEERS

The IP Clock/Speaker, model VIP-431A-DS, shall enable voice access to a single zone of paging over an IP-based network. The VIP-431A-DS shall allow a page zone extension anywhere on the network. The speaker level is adjusted via software during set up. The VIP-431A-DS clock synchronization shall be initiated via connection to any Network Time Protocol (NTP) server accessible via the network.

Power shall be provided to the VIP-431A-DS via a Power over an Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-431A-DS shall be via the Valcom IP Solutions Setup Tool.

The VIP-431A-DS speaker enclosure shall be constructed of steel with a durable gray powder coated finish. The color of the enclosure

shall easily be changed to match any decor. The VIP-431A-DS clock shall be either a 12-hour or 24-hour format with 2.5 inch red digits that shall have a visibility of 100ft. The VIP-431A-DS shall be designed for angled surface mounting. The VIP-431A-DS shall be suitable for indoor applications.

Maximum dimensions shall be: 14.90in H x 12.40in W x 4.80in D1 (top, with grille) 1.40in D2 (bottom) 37.80cm x 31.50cm x 12.20cm (D1) 3.60cm(D2). Weight shall be approximately 4.25lbs (1.91kg).

Warranty information may be found on our website at www.valcom.com/warranty.