Technical Specifications

VIP-431A-DS-IC InformaCast® IP Clock/Speaker Assembly

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

InformaCast compliant
4-digits digital clock
Talkback speaker

Description:

The VIP-431A-DS-IC IP 4-Digit Digital Clock/Speaker Assembly is a gray metal wall speaker with a clock. The talkback speaker provides voice access and a visual time line to a single zone over an IP-based LAN/WAN. The clock synchronization is initiated via connection to any Network Time Protocol. The VIP-431A-DS-IC 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

INFORMACAST CONFIGURATION METHODS
SLP (Service Location Protocol)
Static Configuration

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)

ARCHITECTS AND ENGINEERS

The IP Clock/Speaker, model VIP-431A-DS-IC, shall be InformaCast compliant. The VIP-431A-DS-IC shall enable voice access to a single zone of paging over an IP-based network. The VIP-431A-DS-IC shall allow a page zone extension anywhere on the network. The speaker level is adjusted via software during set up. The VIP-431A-DS-IC 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-IC via a Power over an Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-431A-DS-IC shall automatically acquire an IP address (using DHCP) and connect to the InformaCast server when connected to the network and powered up. Information specific to the application shall need to be programmed into the InformaCast server.

The VIP-431A-DS-IC 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-IC clock shall be either a 12-hour or 24-hour format with 2.50in high red digits that shall have a visibility of 100ft. The VIP-431A-DS-IC shall be designed for angled surface mounting. The VIP-431A-DS-IC 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.