

# Technical Specifications

## VIP-432A-DF IP Clock/Speaker Assembly

- PoE (IEEE 802.3af)
- Dual system that serves as a paging system and clock
- InformaCast® version available
- Mounting backboxes available
- Indoor use only



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

### Description:

The VIP-432A-DF 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-432A-DF 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

20.28in H x 14.38in W x 3.40in D  
(51.51cm x 36.53cm x 8.64cm)  
**Weight:** 4.25lbs (1.91kg)  
**Shipping Weight:** 9.70lbs (4.37cm)

### ACCESSORIES

VB-R19 Recessed Mount Backbox (Metal)  
VB-S20 Surface Mount Backbox (Metal)  
VB-A21 Angled Mount Backbox (Metal)

2022 Rev. 1.9.1.2

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## ARCHITECTS AND ENGINEERS

The IP Clock/Speaker, model VIP-432A-DF, shall enable voice access to a single zone of paging over an IP-based network. The VIP-432A-DF shall allow a page zone extension anywhere on the network. The speaker level is adjusted via software during set up. The VIP-432A-DF 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-432A-DF via a Power over an Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-432A-DF shall be via the Valcom IP Solutions Setup Tool.

The VIP-432A-DF speaker grille 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-432A-DF 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-432A-DF shall be designed for recessed or flush mounting to a Valcom backbox (not included). The VIP-432A-DF shall be suitable for indoor applications.

Maximum dimensions shall be: 20.28in H x 14.38in W x 3.40in D (51.51cm x 36.53cm x 8.64cm). Weight shall be approximately 4.25lbs (1.91kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).