

# Technical Specifications

## VIP-431A-DS-SA Intrado Revolution® IP Clock/Speaker Assembly

- Intrado Revolution 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



*Intrado Revolution compliant  
4-digits digital clock  
Talkback speaker*

### Description:

The VIP-431A-DS-SA 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-SA 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

### CONFIGURATION METHODS

DHCP Option 72  
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)

2024 Rev. 2.2.u7

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## ARCHITECTS AND ENGINEERS

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

The VIP-431A-DS-SA 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-SA 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-SA shall be designed for angled surface mounting. The VIP-431A-DS-SA 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](http://www.valcom.com/warranty).