

# Technical Specifications

## VIP-172AL-ST-IC InformaCast® IP Intercom Doorplate Speaker

- InformaCast® compatible
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- Talkback intercom
- High-quality audio
- Quick and easy installation
- Indoor/outdoor use



*InformaCast compliant  
LED status indicator  
Talkback*

### Description:

The VIP-172AL-ST-IC SIP Intercom Doorplate Speaker with LED is the perfect choice for high quality voice paging, two-way communication and emergency alerts. The VIP-172AL-ST-IC is designed for quick and easy installation.

## SPECIFICATIONS

### SPEAKER ELEMENT

Voice coil impedance: 45 Ohms

### AUDIO OUTPUT

Rating: > 96 dB @ 4ft (1.22 m)

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### CALL SWITCH

Single pole momentary contact

### AUDIO CODECS

G.711 u-law, others

### AUXILIARY RELAYS

Form C rated at 1A @ 24 Vdc

### NETWORK

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

### PROTOCOLS

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

### 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

### HOUSING AND FINISH

Durable brushed stainless steel

### DIMENSIONS AND WEIGHT

4.50in H x 4.50in W x 1.30in D  
(11.43cm x 11.43cm x 3.30cm)  
**Weight:** 0.55lbs (0.25kg)  
**Network Interface:**  
1.62in H x 5.63in W x 3.45in D  
(4.11cm x 14.30cm x 8.73cm)  
with brackets – 8.22in W (20.87cm)  
**Weight:** 0.65lbs (0.29kg)  
**Shipping Weight:** 4.30lbs (1.94kg)

### MOUNTING

Flush mount double gang FD electrical box

2022 Rev. 1.6.2.4

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## ARCHITECTS AND ENGINEERS

The IP Talkback Doorplate Speaker/Intercom, model VIP-172AL-ST-IC, shall be InformaCast compliant. The VIP-172AL-ST-IC shall allow communication to SIP Based telephone systems via an IP-based network.

Power shall be provided to the VIP-VIP-172AL-ST-IC via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-172AL-ST-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-172AL-ST-IC IP Talkback Doorplate Speaker/Intercom shall consist of a doorplate, network interface, mounting hardware and a VIP-172-RLY Relay Block. The VIP-172AL-ST-IC shall be constructed of durable brushed stainless steel and shall have a call button for signaling and be equipped with a LED status indicator.

The VIP-172AL-ST-IC Network Interface shall be designed for wall or shelf mounting and must be within 300 feet (100 meters) of the network switch. The VIP-172AL-ST-IC Doorplate shall be designed for double gang FD electrical box mounting and must be within 350 feet of the Network Interface. The VIP-172AL-ST-IC shall be suitable for indoor/outdoor applications. The Network Interface shall be mounted indoors only.

Maximum dimensions of the VIP-172AL-ST-IC IP Doorplate Speaker/Intercom shall be: 4.50in H x 4.50in W x 1.30in D (11.43cm x 11.43cm x 3.30cm). Weight shall be approximately 0.55lbs (0.25kg).

Maximum dimensions of the VIP-172AL-ST-IC Network Interface shall be: 1.62in H x 5.63in W x 3.45in D (4.11cm x 14.30cm x 8.73cm). Weight shall be approximately: 0.65lbs (0.29kg).

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