

# Technical Specifications

## VIP-120A IP 8-inch Round Ceiling Speaker

- Concurrent SIP and Multicast
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- One-way paging
- High-quality audio
- Quick and easy installation
- InformaCast® and Intrado Revolution® versions available
- Indoor use only



*Secure, one-way*

### Description:

The VIP-120A IP 8-inch Round Ceiling Speaker is the perfect choice for high quality voice paging and emergency alerts for indoor areas. The VIP-120A is a secure, one-way speaker designed for quick and easy installation.

## SPECIFICATIONS

### SPEAKER ELEMENT

Cone diameter: 8-inch (20.32 cm)

Voice coil impedance: 45 Ohms

### 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

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### AUDIO CODECS

G.711 u-law, others

### 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

### ENVIRONMENT

Temperature: +32 to +104 °F (0 to +40 °C)

Humidity: 0 to 85% non-precipitating

### HOUSING AND FINISH

Steel grille with white powder coated finish

### DIMENSIONS AND WEIGHT

13.00in Dia x 3.80in D

(33.00cm x 9.70cm)

Weight: 2.50lbs (1.13kg)

Shipping Weight: 7.00lbs (3.15kg)

### ACCESSORIES

V-9914M-5 Support Bridge

V-9915M-5 Backbox

V-9916M Bridge and Backbox Assembly

2024 Rev. 1.6.2.7

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## ARCHITECTS AND ENGINEERS

The IP 8-inch Round Ceiling Speaker, model VIP-120A, shall enable voice access to a single zone of one-way paging over an IP-based LAN/WAN allowing a page zone extension anywhere on the network. The VIP-120A levels are adjusted electrically via software during setup.

Power shall be provided to the VIP-120A via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-120A shall be via the Valcom IP Solutions Setup Tool.

The VIP-120A speaker grille shall be constructed of steel with a white powder coated finish. The VIP-120A is suitable for indoor applications.

Maximum dimensions shall be: 13.00in Dia x 3.80in D (33.00cm x 9.70cm). Weight shall be approximately 2.50lbs (1.13kg).

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