

# Technical Specifications

## VIP-120A-SA Intrado Revolution® IP Round Ceiling Speaker

- Intrado Revolution compliant
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- One-way paging
- High-quality audio
- High-efficiency Class-D amplifier
- Indoor use only



*Intrado Revolution compliant  
Secure, one-way*

### Description:

The VIP-120A-SA IP Round Ceiling Speaker is the perfect choice for high quality voice paging and emergency alerts for indoor areas. The VIP-120A-SA 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

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### AUDIO CODECS

G.711 u-law, others

### CONFIGURATION METHODS

DHCP Option 72

Static Configuration

### 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 Round Ceiling Speaker, model VIP-120A-SA, shall be Intrado Revolution compliant. The VIP-120A-SA 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-SA levels are adjusted electrically via software during setup.

Power shall be provided to the VIP-120A-SA via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-120A-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-120A-SA speaker grille shall be constructed of steel with a white powder coated finish. The VIP-120A-SA 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).