

# Technical Specifications

## VIP-160A-SA Syn-Apps IP Round Ceiling Speaker

- Syn-Apps compliant
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- Talkback intercom
- High-efficiency Class-D amplifier
- High-quality audio
- Quick and easy installation
- Indoor use only



*Syn-Apps compliant  
45 Ohm, talkback*

### Description:

The VIP-160A-SA Syn-Apps IP 8-inch Round Ceiling Speaker is the perfect choice for high quality voice paging and two-way communication and emergency alerts for indoor areas. The VIP-160A-SA 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

### AUDIO CODECS

G.711 u-law, others

### SYN-APPS 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

2022 Rev. 1.6.2.4

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## ARCHITECTS AND ENGINEERS

The IP Round Ceiling Speaker, model VIP-160A-SA, shall be Syn-Apps compliant. The VIP-160A-SA shall enable handsfree talkback access to a single location over an IP-based LAN/WAN allowing handsfree communication anywhere on the network. The VIP-160A-SA levels are adjusted electrically via software during setup. A call switch input is provided for call in initiation.

Power shall be provided to the VIP-160A-SA via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-160A-SA shall automatically acquire an IP address (using DHCP) and connect to the Syn-Apps server when connected to the network and powered up. Information specific to the

application shall need to be programmed into the Syn-Apps server.

The VIP-160A-SA speaker grille shall be constructed of steel with a white powder coated finish. The VIP-160A-SA shall be 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).