

# Technical Specifications

## VIP-140A IP Round Clean Room Speaker

- Concurrent SIP and Multicast
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- One-way paging or talkback intercom
- High-quality audio
- Clean room applications
- Quick and easy installation
- InformaCast® version available
- Indoor use only

### Description:

The VIP-140A Clean Room Speaker is a ceiling speaker capable of producing voice paging in clean room environments. The Clean Room Speaker is designed with a polycarbonate dust shield that prevents contamination where airborne particles need to be controlled. The VIP-140A is the perfect choice for businesses such as pharmaceutical, laboratory, medical facilities and other critical manufacturing environments.



**8-Inch**  
*One-way/talkback programmable*

## 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

2022 Rev. 1.6.2.4

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## ARCHITECTS AND ENGINEERS

The IP Round Clean Room Ceiling Speaker, model VIP-140A, 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.

Power shall be provided to the VIP-140A via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-140A shall be via the Valcom IP Solutions Setup Tool.

The VIP-140A Clean Room Ceiling Speaker grille shall be

constructed of steel with a white powder coated finish. O-rings, washers and a polycarbonate shield shall protect against dust incursion. The VIP-140A 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).