

# Technical Specifications

## V-1920C Amplified Square Ceiling Speaker

- One-way paging
- Utilizes standard CAT 3, 5, or 6 cable
- Excellent voice and music reproduction
- Built-in amplifier and volume control
- Pop-on, pop-off knob included
- Electrically, acoustically matched components
- Sturdy steel grille
- Quick and easy installation
- Indoor use only



*Self-amplified one-way  
recessed mount*

### Description:

The V-1920C One-Way Square Ceiling or Wall Speaker with a round hole pattern is an excellent choice for recessed ceiling or recessed wall-mount installations and is ideal for most interiors such as schools, offices, retail stores and medical settings.

## SPECIFICATIONS

### SPEAKER ELEMENT

**Cone Diameter:** 8.00in (20.32cm)

**Voice Coil Impedance:** 45 Ohms

### INPUT

**Impedance:** > 600 Ohms nominal

**Signal Level:** -15 dBm line level

### OUTPUT

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

**Signal/Noise Ratio:** -70

### POWER REQUIREMENTS

50 mA @ -24 Vdc

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### MAGNET

Cone type with 5oz (142g) ceramic magnet

### ENVIRONMENT

**Temperature:** -4 to +131°F (-20 to +55°C)

**Humidity:** 0 to 95% non-condensing

### HOUSING AND FINISH

Steel grille with a white powder coated finish

### DIMENSIONS AND WEIGHT

11.50in L x 11.50in W x 3.00in D

(29.21cm x 29.21cm x 7.62cm)

**Weight:** 2.60lbs (1.17kg)

**Shipping Weight:** 5.50lbs (2.48kg)

### MOUNTING ACCESSORIES

VB-S11 Square Surface Mount Backbox (Metal)

VB-R12 Square Flush Mount Backbox (Metal)

VB-A13 Square Angled Mount Backbox (Metal)

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## ARCHITECTS AND ENGINEERS

The Amplified Square Ceiling/Wall Speaker, model V-1920C, shall include a speaker, amplifier, volume control with pop-on/pop-off knob and square grille.

The V-1920C Amplified Square Ceiling Speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The V-1920C Amplified Square Ceiling Speaker element shall be cone type with 5oz (142g) ceramic magnet. Diameter of speaker cone shall be 8.00in (20.32cm). Voice coil diameter shall be 0.75in (1.91cm). Voice coil impedance shall be 45 ohms.

The V-1920C Amplified Square Ceiling Speaker shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1-Watt RMS. Signal-to-noise ratio shall be -70 dB. The V1920C amplifier shall operate on a -24 Vdc nominal power

supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1920C Amplified Square Ceiling Speaker grille shall be constructed of steel with a white powder coated finish. A volume control shall be provided in the center of the grille and shall be adjusted by the removable pop-on/pop-off knob or by a screwdriver through the center hole on the grille. The externally accessible volume control shall make it possible to adjust volume level of speaker without removal of unit. The V-1920C shall be suitable for indoor applications.

The maximum dimensions shall be: 11.50in L x 11.50in W x 3.00in D (29.21cm x 29.21cm x 7.62cm). Weight shall be approximately: 2.60lbs (1.17kg).

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