

Polycom® Vortex® EF2210

Single channel acoustic echo/noise canceller



Benefits

Power where you need it –

10-Watt power amplifier for driving audio in the room

Highest possible audio quality

between sites – Industry-leading acoustic echo and noise cancellation

Clear, crisp sound –

Ambient noise cancellation on mic/line input

Flexible control –

Up to 32 user-configurable presets, 16 factory presets, and 256 macros

Links with other Vortex models –

Including EF2280, EF2241, EF2211, EF2201, plus other Polycom products

Industry-leading acoustic echo and noise cancellation make the Vortex EF2210 a natural for installed conferencing systems.

Whether you need to add echo and noise cancellation to an existing installation, or want more robust audio performance, the EF2210 provides clear, natural sound that will enhance the productivity of your conferences.

Audio and video conferences depend on high-quality audio. Polycom's Vortex EF2210, a standalone system for individual sites, is typically installed in meeting rooms along with one or more microphones and an automatic microphone mixer. Because the EF2210 delivers robust acoustic echo and noise cancellation performance, it is often used instead of the video conferencing codec's microphone and acoustic echo canceller. It provides a single microphone or line level input, plus two auxiliary inputs (for external devices such as a VCR). If additional microphone or line inputs are required, the Polycom Vortex EF2241 or Vortex EF2280 models are recommended.

The EF2210 features industry-leading, acoustic echo cancellation technology, which prevents received audio from being retransmitted to its original location. Patented noise cancellation algorithms dramatically reduce ambient noise in the audio sent to other sites, without affecting speech quality. User-adjustable, neural network Automatic Gain Control (ACG) reacts only to valid speech patterns, bringing voices within desired levels. The EF2210 may be programmed directly or through Polycom's Conference Composer software (included). The unit may also be controlled via external RS-232 devices.

Make Great Things Happen with Vortex EF2210

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our award-winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you, too, can achieve great things with Polycom Vortex EF2210.

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DISTRIBUTING

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 **POLYCOM®**
TOGETHER, GREAT THINGS HAPPEN.

VideoVoiceDataWeb

Polycom Vortex EF2210 Specifications

Dimensions

- 19" (483 mm) W x 9.6" (244 mm) L x 1.75" (45 mm) H (one rack unit)

Weight

- 4 lbs. (1.8 kg) dry, 5.5 lbs. (2.5 kg) shipping

Connectors

- RS-232: DB9F
- EF Bus In/Out: RJ45
- Control /Status: DB25F
- Audio: Mini (3.5mm) quick connect terminal blocks

Power

- External supply (provided)
- Input voltage of 110-240 VAC; 47-63 Hz; power consumption 25 W

Microphone Input

- -30 dBu to +0 dBu/ -66 dBu to -33 dBu, nominal; software selectable

Phantom Power

- 24 V, software selectable

Line Inputs

- -20 dBu to +0 dBu, nominal; software adjustable

Line Outputs

- -20 dBu to +0 dBu, nominal; software adjustable

Loudspeaker Output

- 10 W, 4-16 Ohms

Input Impedance

- >10 k Ohms

Headroom

- 20 dB, nominal

Signal to Noise Ratio

- Line level, 0 dB gain: >85dB

Frequency Response

- 20 Hz - 22 kHz

Acoustic Echo Cancellation Span

- 270 ms

Total Cancellation

- >65 dB

Convergence Rate

- 40 dB/second

Noise Cancellation

- 0-15 dB, software selectable

Operating Temperature

- 0 °- 40 °C

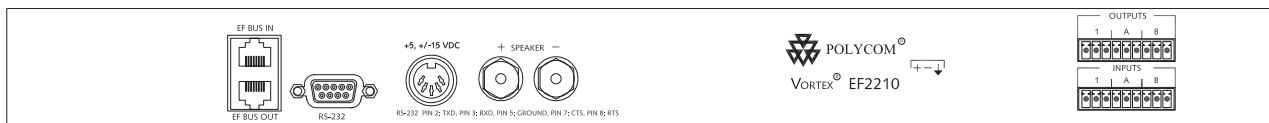
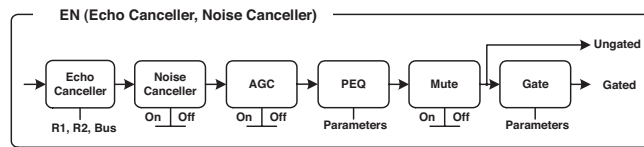
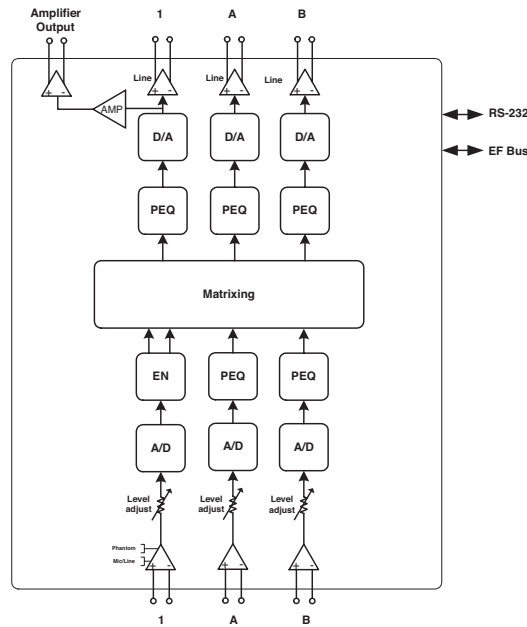
Control Inputs

- Contact closure

Status Outputs

- 5 V, 20 mA each

System Block Diagram and Rear Panel



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