The Beamforming Microphone Array is the Pro-Audio industry’s first professional-grade microphone array with beamforming and adaptive steering technology and ClearOne’s next-generation Acoustic Echo Cancellation. The ultra-sleek design fits into any conferencing environment and delivers the clearest audio pickup available with adaptive acoustic processing.

**Applications**

- Board Room
- Conference Room
- Training Center
- Courtroom
- House of Worship
- Telepresence

**Features**

- Beamforming & adaptive steering technology
- Next-generation Acoustic Echo Cancellation
- 24 microphone elements
- Mono and stereo modes for diverse applications
- Flexible mounting for ceiling, wall and tabletop
- Works with CONVERGE® Pro products: 880, 840T, 880T, 880TA
- Expandable for larger room applications by daisy-chaining up to three arrays per CONVERGE® Pro unit
- Adaptive acoustic processing automatically adjusts to room configuration for best possible audio pickup
- Replaces up to 10 traditional microphones, with twice the pickup range
### Functional Specifications

**AUDIO**

**ACOUSTIC CHARACTERISTICS:**
- 24 microphones
- Auto voice tracking
- Polar Pattern: Custom
- Frequency Response: 150Hz - 16kHz
- Signal to Noise Ratio: >70 dB
- AEC Tail time: 128 ms
- Noise Cancellation: 6 - 15 dB adjustable

**AUTO MIXER PARAMETERS:**
- Number of Open Microphones (NOM)
- First mic priority mode
- Last mic mode
- Maximum number of mics mode
- Ambient level
- Gate threshold adjust
- Off attenuation adjust
- Hold time
- Decay rate

**MATRIX MIXING PARAMETERS:**
- 1 Channel In
- 18 Expansion Bus In/Out

**BEAMFORMING MIC ARRAY CONFIGURATION:**
- Echo cancellation on/off
- Noise cancellation on/off
- Filters:
  - All Pass
  - Low Pass
  - High Pass
  - Notch
  - PEQ
  - ALC on/off
  - Gain adjust
  - Mute on/off
  - Auto gate/manual gate

**POWER**
- PoE IEEE 802.3AF-2003
- CAT-5 cable or higher
- 6 watts average power consumption

**EXPANSION BUS IN/OUT**
- Proprietary Network
- RJ-45 (2)
- Solid core Category 5e or Category 6 cable, factory terminated, for 200 feet maximum length between any two devices connected through Expansion bus

**USB**
- Not currently supported. Available for future use

**RS232**
- Commands through CONVERGE Pro

**CONFIGURATION & ADMINISTRATION SOFTWARE:**
- CONVERGE Console (4.x)

**WEIGHT**
- 4.4 lbs (2.0kg)

**MECHANICAL**
- DIMENSION (WxHxW): 30" x 1" x 5.75" (762mm x 25.4mm x 146mm)

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