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)
- Category 5 twisted-pair cable for 200 feet maximum cable length between any two CONVERGE Pro devices

**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**

- 30.0” x 1.00” x 5.75” (WxHxD) (762mm x 25.4mm x 146mm)

**MOUNTING**

- Ceiling mount kit (12” & 24” suspension column)
- Wall mount kit
- Table mount

**ENVIRONMENTAL**

- Operating Temperature:
  - 14° F/-10° C to 122° F/50° C ambient temperature

**INSTALLATION**

- Optimum Mounting Height: About 8 - 10 foot ceiling
- Optimum Coverage Distance:
  - About 6 - 10 traditional cardioid mics
  - About 2 - 3 ClearOne ceiling mic array
  - About 8 - 10 foot radius

**SUPPORTED CONVERGE PRO**

- CONVERGE Pro 840T
- CONVERGE Pro 880
- CONVERGE Pro 880T
- CONVERGE Pro 880TA

*Maximum 3 Beamforming microphone array per each supported CONVERGE Pro unit and maximum 16 units in one stack

**PART NUMBERS**

- 910-001-003: White Beamforming Microphone Array
- 910-001-003-B: Black Beamforming Microphone Array
- 910-001-004: PoE Power Supply & Cables Kit for BFM Array
- 910-001-005-12: White Ceiling Mount kit with 12” suspension column for BFM Array
- 910-001-005-12-B: Black Ceiling Mount kit with 12” suspension column for BFM Array
- 910-001-005-24: White Ceiling Mount kit with 24” suspension column for BFM Array
- 910-001-005-24-B: Black Ceiling Mount kit with 24” suspension column for BFM Array
- 910-001-006: White Wall Mount kit for BFM Array
- 910-001-006-B: Black Wall Mount kit for BFM Array