

## INTERACT™ | Pro 8i

Professional Conferencing Systems

**NEW**

A microphone expansion unit for the INTERACT Pro platform. The INTERACT Pro 8i adds an additional 8 microphones to the INTERACT Pro for a total of 16 microphone inputs.

The INTERACT Pro 8i includes the audio signal processing on microphone inputs required for conferencing, including TRUE stereo Acoustical Echo Cancellation (AEC).



AFFORDABLE  
MICROPHONE  
EXPANSION  
UNIT FOR THE  
INTERACT PRO  
PLATFORM

### APPLICATIONS

- + Unified Communications
- + Use with Rich-Media Systems
  - > Web Conferencing
  - > Personal Computer
  - > IP Telephony
  - > Video Conferencing
- + Telepresence
- + Board Rooms
- + Conference Rooms
- + Executive Offices

### ADVANTAGES

- + ClearOne's HDConference and NEW true stereo AEC provides unrivaled audio quality and intelligibility
  - > Stereo Echo Cancellation for use with HD video conferencing or telepresence
  - > Distributed Echo Cancellation® effectively eliminates echo
  - > Noise cancellation reduces background noises from fans or HVAC systems
  - > Full-duplex sound enables participants to speak and listen at the same time without cutting in and out
  - > Automatic level controls keep participants' audio balanced and consistent
  - > First-mic priority eliminates hollow "tunnel" sound by activating only the microphone closest to the person speaking
- + Scalable and flexible to meet most conferencing needs
  - > Wired and Wireless Dialer Options
  - > Adds 8 microphone inputs to INTERACT PRO
  - > Add INTERACT COM for direct interface to PC or enterprise telephone sets
- + Integral network management system enables remote configuration, control and monitoring
- + Interoperates with NetStreams™ A/V over IP systems
- + Easy to install, program and use

> **INTERACT Pro 8i REAR PANEL**



> **SPECIFICATIONS**

**AUDIO PERFORMANCE**

Conditions: Unless otherwise specified, all measurements are performed with a 20 Hz to 22 kHz BW limit (No Weighting)

Frequency Response:  
20 Hz to 22 kHz BW, Max Gain

Noise (EIN):  
-124 dBu, 22 kHz BW, Max Gain, Rs=150 Ω THD+N: < 0.02%

Dynamic Range: 100 dB (non A-weighted) Crosstalk < -91 dB rel 17 dBu

Sampling Rate: 48 kHz  
A/D - D/A Converters: 24-bit

**MICROPHONE INPUT CONFIGURATION**

Input Gain Adjust  
Mic or Line Level  
Phantom Power ON/OFF  
Echo Cancellation ON/OFF  
Noise Cancellation ON/OFF  
PEQ  
Filters  
Mute ON/OFF  
Chairman Override ON/OFF  
AGC ON/OFF  
Automatic Level Control ON/OFF  
Auto Gate/Manual Gate  
Adaptive Ambient ON/OFF  
Pre-AEC Channel

**MIC/LINE INPUTS 9-16**

Impedance:  
5 kΩ per Leg or 10 kΩ Balanced  
Maximum Level: -65 dBu to +17 dBu

Echo Cancellation:  
128 ms Tail Time (Works with 12 dB of Room Gain)

Phantom Power: 24 VDC at 10 mA

**RS-232 CONTROL PORT**

Firmware updates only

**EXPANSION BUS IN/OUT**

Cable:  
CAT5 Twisted Pair, Solid Conductor  
Maximum Cable Length Between:  
INTERACT Pro and INTERACT Pro 8i:  
80 feet

INTERACT Pro/Pro 8i and INTERACT COM:  
60 feet

**CONFIGURATION SOFTWARE**

INTERACT Supports:  
Microsoft XP, Vista and Windows 7

**INTERACT COM (OPTIONAL)**



**VERSIONS:**  
Wired or Wireless (2.4 GHz)

**USB AUDIO CHANNEL:**  
USB 2.0 Compatible  
Connector: Mini Type B  
TX and RX Channel, 16-bit at 16 kHz

**HEADSET AUDIO CHANNEL:**  
**Connector:** RJ-9

**Supported Telephone Sets:**  
Most Cisco, Avaya and Nortel phones

**Audio Performance:**  
Frequency Response: 40 to 3300 Hz  
THD and Noise: < 0.04% re-max level with 0 dB Gain @ 1 kHz  
Dynamic Range: > 84 dB (non A-weighted)

**Audio Processing:**  
Receive Automatic Level Control  
Line Echo Cancellation for Side-tone Elimination

**GPIO:**  
**Pin 1:** Global Mute (C)  
**Pin 2:** Global Mute (S)  
**Pin 3:** ON/OFF Hook (C)  
**Pin 4:** ON/OFF Hook (S)  
**Pin 5:** 5V DC up to 40 mA

**INTERACT DIALER (OPTIONAL)**



Functions: Dialing, Volume Control, Mute Control  
Communications:  
Wired Version: RS-232 Connected to Mixer  
Wireless Version: 2.4 GHz DSSS to INTERACT COM Wireless

**POWER SUPPLY**

Primary Voltage: 100 to 240 VAC  
Auto-Sensing, 50-60 Hz  
Power Consumption: 26 W Max

**DIMENSIONS (W X D X H)**

INTERACT Pro 8i: 17" x 7.5" x 2"  
(43.2 cm x 19.1 cm x 5.1 cm)

**WEIGHT**

INTERACT Pro 8i: 4.5 lb. (2.25 kg)

**COMPLIANCE**

ROHS Compliant  
WEEE Compliant  
UL Safety Listed  
AES48-2005 AES Standard on Grounding and EMC Practice

**PART NUMBER**

910-154-065

**NOTE: THE INTERACT PRO 8i IS AN INPUT EXPANSION DEVICE FOR THE INTERACT PRO. AN INTERACT PRO IS REQUIRED FOR THIS DEVICE TO FUNCTION.**

> **CLEARONE LOCATIONS**

**HEADQUARTERS:**

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