

NEW

INTERACT™ | Pro 8i

Professional Conferencing Systems

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).

ClearOne



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

HDConference™

> **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 re 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 KΩhm per leg or 10 KΩhm
 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 10ma

RS-232 Control Port

Firmware updates only

Expansion Bus In/Out

Cable:
 Cat 5 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: <.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 milliamps

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 Maximum

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 kg)

Compliance

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

Part Numbers

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.

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