

NEW

INTERACT® | 8i

Professional Conferencing Systems

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

The INTERACT 8i includes the audio signal processing on microphone inputs required for conferencing, including TRUE stereo acoustical echo cancellation.

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
 - > 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 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 8i: 80 feet
 Between INTERACT PRO/8i and INTERACT COM: 60 feet

Configuration Software

INTERACT Supports: Microsoft XP, Vista, and Windows 7

INTERACT COM (OPTIONAL)



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:
 RS-232 connected to mixer

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

Weight

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

> CLEARONE LOCATIONS

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