ClearOne®

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.
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> 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

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 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 IN/OUT:
USB 2.0 Compatible
Connector: Mini Type B
IN/OUT 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

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