NEW

INTERACT™ | PRO

Professional Conferencing Systems

ClearOne®

A professional audio conferencing system offering TRUE stereo echo cancellation at an unbeatable market price. The INTERACT PRO platform is a complete audio system with unrivalled audio performance and application flexibility— all with simplified configuration in mind.

Directly connects to enterprise telephones, PC and HD video conferencing systems and emerging Unified Communications endpoints.

IMPROVE CLARITY WITH TRUE STEREO ECHO CANCELLATION

APPLICATIONS
+ Unified Communications
+ Use with Rich-Media Systems
  > Web conferencing
  > Personal computer
  > IP telephony
  > Video conferencing
+ Telepresence
+ Board Rooms
+ Conference Rooms
+ Executive Offices

ADVANTAGES
+ Enables Unified Communication in the conference room
+ USB port connects to PC for Skype, WebEx and other A/V conferencing applications
+ Headset port connects to Cisco, Avaya, and Nortel handsets
+ 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
+ Add INTERACT 8i for up to 16 microphones
+ Integral network management system enables remote configuration, contol and monitoring
+ Scalable and flexible to meet most conferencing needs
  > Wireless or wired controller option
  > Add INTERACT Tabletop Dialer for room control
  > Add INTERACT COM for direct interface to PC or enterprise telephone sets
+ Interoperates with NetStreams™ A/V over IP systems
+ Easy to install, program and use

HDConference™

> INTERACT PRO 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

Auto Mixer Parameters
Number of Open Microphones (NOM)
PA Adaptive Mode
First Mic Priority Mode
Last Mic Mode
Maximum # of Mics Mode
Ambient Level
Gate Threshold Adjust
Off Attenuation Adjust
Hold Time
Decay Rate

Matrix Mixing Parameters
8 Mic/line analog inputs
2 line inputs
8 line outputs
8 line mic/line in expansion with optional INTERACT 8i
3 assignable processing blocks in/out

Microphone Input Parameters
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

Assignable Processing Blocks
Channels: 3
Filter Nodes: 4 per channel
Filter Types: All Pass, Low Pass, High Pass, Low Shelving, High Shelving, PEQ, Notch
Compressor: 1 per channel

Mic/Line Inputs 1-8
Impedance: 5 Kohm per leg or 10 KOhm 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

Line Inputs 9-10
Impedance: 5 Kohm per leg or 10 KOhm Balanced
Maximum Level: 17 dBu

Line Outputs 1-8
Impedance: 50 Ohm per leg
Nominal Level: 0 dBu
Maximum Level: 17dBu

Telephone Interface
Telephone Audio Performance
Conditions: Unless otherwise specified, all measurements are performed with Transmit Limiter and Receive ALC disabled
Frequency Response: 250 Hz to 3.3 kHz ±1dB
THD+N: <0.3% re-max level 250 Hz to 3.3 kHz
SNR: > 62 dB re-max level
Telco Line Echo Cancellation
Tail Time: 32 ms
Null: 55 dB nominal
Telephone Noise Cancellation
Noise Cancellation 6-15 dB attenuation

RS-232 Control Port
DB9 female
9,600/19,200/38,400/57,600 (default)/115,200
Baud Rate: 38,400, 56,700(default) 115,200
Protocol: 8-bit,1 stop, no parity
Hardware flow control on (default)/off

USB Configuration Port
USB 1.1 Compatible
Type: B Connector

LAN
10/100 Ethernet
RJ-45 with activity LED
Supports: Telnet, HTTP

Expansion Bus In/Out
Cable:
Cat 5 Twisted Pair, Solid Conductor
Maximum Cable Length:
Between INTERACT Pro and INTERACT Pro 8I: 80 feet

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

Configuration Software
INTERACT Supports: Microsoft XP, Vista, and Windows 7

INTERACT COM and INTERACT W-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
THDandNoise: <.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)

Available in Wired or Wireless Versions
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: 17" x 7.5" x 2"
(43.2 cm x 19.1 cm x 5.1 cm)
INTERACT COM: 4.7" x 5.6" x 1.7"
(11.9 cm x 14.3 cm x 4.4 cm)

Weight
INTERACT PRO: 4.5 lb. (2 kg)
INTERACT DIALER: 2.0 lb. (.9 kg)
INTERACT COM: 1.51 Lb (7 kg)

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

Optional Accessories
INTERACT – COM
910-154-030
INTERACT COM-W (For Wireless Dialer)
910-154-050
INTERACT Dialer
910-154-035
INTERACT Dialer - Wireless
910-154-040
INTERACT Pro 8i Input Expander
910-154-065

Part Number
910-154-055

> CLEARONE LOCATIONS

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