ClearOne®

INTERACT® | Pro

Professional Conferencing Systems

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 Pro 8i for up to 16 microphones
+ Integral network management system enables remote configuration, control and monitoring
+ Scalable and flexible to meet most conferencing needs
  > Add INTERACT COM for direct interface to PC or enterprise telephone sets
+ Interoperates with StreamNet® 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 rel 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 Pro 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

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 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

LINE INPUTS 9-10
Impedance: 5 kΩ Per Leg or 10 kΩ Balanced
Maximum Level: 17 dBu

LINE OUTPUTS 1-8
Impedance: 50 Ω Per Leg
Nominal Level: 0 dBu
Maximum Level: 17 dBu

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: < 0.30% 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
Baud Rates: 9,600 / 19,200 / 38,400 / 57,600 (default) / 115,200
Protocol: 8-bit / 1 Stop / No Parity
Hardware Flow Control ON(Default)/OFF

USB CONFIGURATION PORT
USB 2.0 Compatible
Type: B Connector

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

EXPANSION BUS IN/OUT
Cable:
CAT5 Twisted Pair, Solid Conductor

Maximum Cable Length:
Between INTERACT Pro & INTERACT Pro 8i:
80 feet

Between INTERACT Pro/Pro 8i & INTERACT COM:
80 feet

CONFIGURATION SOFTWARE
INTERACT Supports:
Microsoft XP, Vista and Windows 7

INTERACT COM AND INTERACT COM-W (OPTIONAL)

USB AUDIO CHANNEL IN/OUT:
USB 2.0 Compatible

Connector:
Mini Type B IN/OUT Channel, 16-bit at 16 kHz

HEADSET AUDIO CHANNEL IN/OUT:
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

COMMUNICATIONS:
RS-232 Connected to Mixer

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: 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 lbs. (2.25 kg)
INTERACT COM: 1.51 lbs (0.75 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 Pro 8i Input Expander
910-154-065

PART NUMBER
910-154-055