ClearOne

INTERACT™ AT | Skype™

The INTERACT AT-Skype is the only room conferencing solution with built-in audio conference bridging and interoperability for video conferencing, unified communications and teleconferencing. The plug-and-play solution bundle includes the INTERACT AT mixer, microphone array, speakers and UC interface.

Applications

Multipurpose room conferencing solution

- Video Conferencing
- Unified Communication
- Teleconferencing

Bring Skype to meeting rooms

- Boardroom
- Training Center
- Executive Office
- Conference Room

Features

+ Works with other UC applications including Avaya one-X® Communicator, IBM Sametime®, Microsoft Lync™ and others

+ Compatible with video codecs including Cisco, Lifesize, Polycom, Vidyo and others

+ Audio conference bridging allows communication between Skype, telephone and H.323/SIP video conference participants at the same time

+ Telephone interface supports standard analog PSTN, as well as connection to popular enterprise phones including Avaya, Cisco, NEC and others

+ Distributed echo cancellation and automatic gating control

+ Microphone arrays can daisy-chain to support up to 9 microphones with complete 360° coverage for large conference rooms with 12-16 participants

+ Audio recording and playback

+ Controllable via third-party room control systems such as AMX or Crestron

+ PTZ camera control for voice-tracking

+ Remote configuration, control and monitoring

HDConference™

INTERACT AT SKYPE AND UC INTERFACE BACK PANEL

Mixer

UC Interface*

Functional Specifications

AUDIO CHARACTERISTICS
Audio Performance
Conditions: Unless otherwise specified, all measurements are performed from 20 Hz to
15 kHz BW limit (No Weighting)
Dynamic Range: > 80 dB (Non-A Weighted) THD+N: <0.02%

Audio Mixer
AEC Tail Time: 128 ms
Adaptive Noise Cancellation: 6-15 dB
Gating: Adaptive Ambient, 1st Mic Priority, Look-ahead Gating
48 kHz Sample Rate, 24-bit Resolution

AUDIO INPUT
Mic Input
Up to 9 balanced microphone inputs with daisy-chainable 3 microphone arrays

Audio Mixer Line Input
Connection: Unbalanced RCA
Impedance: 10 kΩ
Nominal Level: -10 dBu
Maximum Level: +9 dBu

Audio Mixer Playback Input
Connection: Unbalanced Left and Right RCA (Summed Internally)
Impedance: 10 kΩ
Nominal Level: -10 dBu
Maximum Level: +15 dBu

AUDIO OUTPUT
Audio Mixer Line Output
Connection: Unbalanced RCA
Impedance: 10 kΩ
Nominal Level: -10 dBu
Maximum Level: +9 dBu

Audio Mixer Record Output
Connection: Unbalanced Left and Right RCA (Mono Source Split Internally)
Impedance: 10 kΩ
Nominal Level: -10 dBu
Maximum Level: +9 dBu

Speaker Output
Connection: Left and Right Push Terminals
Power: 5 Watts
Frequency Response: 50 Hz to 15 kHz (+/ 3.5 dB)
Dynamic Range:> 80 dB
THD+N: < 0.50% @ 1W

TELECONFERENCING INTERFACE
PSTN Telephone Line
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 ±2.5 dB 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

Enterprise Phone Connection
Headset Audio Channel (UC Interface):
Connector: RJ-9

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

UNIFIED COMMUNICATION INTERFACE (UCI)
USB Audio Channel:
USB 2.0 Connection to PC
Connector: Mini Type B
TX and RX Channel, 16-bit at 16 kHz

VIDEO CODEC CONNECTION
Line Input/Output
RCA connection

MANAGEMENT AND CONTROL
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

VISCA Camera Port
Din, 9600 Baud, No Flow Control

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

GPIO (INTERACT UCI):
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

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

EXPANSION INTERFACE
Link Bus
Connection: RJ-45 with CAT5-Daisy-Daisy-Daisy-chained

Maximum Distance:
60 feet from Mixer to last device in chain

Maximum Number of INTERACT MIC Devices: 3 - Any Mix of INTERACT MIC or MIC EX

Maximum Number of INTERACT UCI Devices: 1 per INTERACT Mixer

COMPONENT ACCESSORIES
UC Interface
USB connection to PC
Headset connection to enterprise phones

INTERACT MIC
Tabletop Microphone Array
Coverage: 360°
Frequency Response: 60 Hz - 14 kHz
THD+N: < 0.08% (-45 dBu Input @ 1 kHz)
Sensitivity: -45 dBu

Stereo Speakers
2 wall-mount speakers

POWER SUPPLY
Primary Voltage: 100 to 240 VAC
Auto-Sensing, 50-60 Hz
Power Consumption: 32 W Maximum

MECHANICAL
Dimensions (W x D x H)
INTERACT AT Mixer: 17" x 7.5" x 2"
(43.2 cm x 19.1 cm x 5.1 cm)

INTERACT MIC: Diameter: 7" (17.8 cm)
Height: 1.5" (3.8 cm)

INTERACT UCI: 4.7" x 5.6" x 1.7"
(11.9 cm x 14.3 cm x 4.4 cm)

Weight
INTERACT AT Mixer: 4.5 lbs. (2.25 kg)
INTERACT MIC: 1.5 lbs. (0.75 kg)
INTERACT UCI: 1.5 lbs. (0.75 kg)

AES48-2005 AES Standard on Grounding

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

PART NUMBERS
INTERACT AT-Skype Bundle: 930-154-003

* Formerly known as COM Box

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