

COLLABORATE Room FHD is a best-in-class HD video conferencing and collaboration solution offering a price-point and feature set vastly superior to that of competing room conferencing solutions.



## Benefits



### Value for the Money

- + Full high-definition (FHD) room system at an affordable price

### Compatible with ClearOne Pro Audio

- + CONVERGE Pro, INTERACT Pro, INTERACT AT, CHAT 150 speakerphone

### Never Obsolete

- + Easily upgradable to support future requirements

### Functionality

- + Full videoconferencing: recording, streaming, data sharing

## Features



- + Best quality at any bandwidth, using the latest H.264 High-Profile codec technology
- + Up to 9-way multiparty videoconferencing with continuous presence
- + Team collaboration software with HD data sharing
- + Industry-leading ClearOne audio performance with HDConference® technology
- + Full high-definition (HD) video - 1080p outgoing/incoming
- + 30 frames per second (fps) video for smooth motion capture (720p at 60fps)
- + Support for a wide range of audio and video formats
- + Built-In recording and streaming
- + Interoperability for communication with all standard (SIP/H.323) videoconferencing devices
- + Easy data collaboration— PC files can be shared via USB during the VC session
- + Advanced data sharing capabilities with no PC required— display presentations or videos, open various file types from USB storage devices

## COLLABORATE ROOM FHD BACK PANEL



## Functional Specifications

### VIDEO CHARACTERISTICS

#### VIDEO SPECIFICATIONS

Transmission speed (H.323 / SIP):  
64Kbps – 6Mbps

#### VIDEO STANDARDS

H.261, H.263, H.263+/+, H.264,  
H.264 High Profile  
Up to 6Mbps

#### LIVE VIDEO RESOLUTION

1080p30 (1920 x 1080 pixels), 720p60 (1280 x 720 pixels),  
16:9 VGA (672 x 348 pixels), 4CIF (704 x 576 pixels),  
4SIF (704 x 480 pixels), VGA (640 x 480 pixels),  
CIF (352 x 288 pixels), SIF (352 x 240 pixels),  
QVGA (320 x 240 pixels)  
Up to 1080p60 RX (1920 x 1080 pixels)

#### VIDEO FRAME RATE

Up to 60 fps

#### VIDEO INPUTS

HD-SDI

#### VIDEO OUTPUTS

DVI, HDMI

#### VIDEO FEATURES

Embedded MCU (4 way, 6 way, 9 way), Video Switch,  
Continuous presence, Stream/Record

#### CAMERAS

1 x FHD1080p30 PTZ Camera  
18x optical zoom

#### DUAL DISPLAY

Supported

### AUDIO CHARACTERISTICS

#### AUDIO FEATURES

Full duplex echo cancellation  
Automatic Noise suppression (ANS)  
Automatic gain control (AGC)  
Voice Activity Detention (VAD)

#### AUDIO INPUTS

ClearOne Mic Array

### AUDIO STANDARDS

20KHz AAC-LD  
14KHz: G.722.1 Annex C  
7KHz: G.722, G.722.1  
3.4KHz: G.711, G723.1, G.728, G.729, AMR(3G)

### DATA CHARACTERISTICS

#### DATA SPECIFICATIONS

Data sharing methods:  
-Laptop plug in (via COLLABORATE DataPoint VGA-to-  
USB adapter available as an accessory)  
Documents: PPT, PPTX, PPS, m PPSX, DOC, DOCX, XLS,  
XLSX Video clips (AVI, MPEG, WMV, etc)  
Graphic files (BMP, GIF, TIF etc)  
H.239 support, Tandberg DuoVideo support,  
Sending & receiving capability  
1 live video source + 1 data source

#### RESOLUTIONS SUPPORTED

XGA, SVGA, 4CIF, VGA, CIF

### NETWORK CHARACTERISTICS

#### NETWORKING SPECIFICATIONS

ITU-T: H.323 v4.2, Annex Q (FEC)  
Dual network support

#### STANDARDS SUPPORTED

H.323, SIP, H.221, H.242, H.230

#### H.323 QOS FEATURES

DiffServ, IP Precedence,  
Firewall Port Sync, Port pinholing  
NAT IP address mask, Adaptive Bandwidth Adjustment,  
Packet loss recovery (FEC), Packet duplication control  
Packet ordering, Jitter correction, Overhead prediction  
Lip sync correction, Max packet size adjustment

#### DIALING MODES

Manual, Speed dial, Personal address book,  
Online directory, Multicast chair, Broadcast viewer,  
Telnet API for AMX/Cretron

### SECURITY & ENCRYPTION

Encryption using H.235 (AES)  
Supports NetPoint (Firewall Traversal)  
Network address translation  
Supports restricted access to users via admin

### CONTROL

International remote control  
Embedded web-based management  
Telnet API for AMX/cretron

### DIRECTORY SERVICES

1000+ local number directory  
10,000+ global number directory  
H.350 support (COLLABORATE Central Mode)  
LDAP online directory support,  
OpenLDAP  
Microsoft ILS  
SiteServer  
Active Search and Filter queries

### PHYSICAL CHARACTERISTICS

#### DIMENSIONS

12.75" x 8.25" x 2.75"

#### WEIGHT

7 lbs.

### ENVIRONMENTAL CHARACTERISTICS

#### TEMPERATURE

0°C-40°C

#### STORAGE TEMPERATURE

20°C-80°C

#### HUMIDITY

15 - 80% humidity

#### UNIVERSAL POWER SUPPLY

DC 20V, 40W

#### OPERATING VOLTAGE

120V or 230V

#### OPERATING FREQUENCY

50 Hz or 60 Hz

### LANGUAGE SUPPORT

English, French, German, Italian,  
Spanish (Spain and Latin America),  
Portuguese (Brazil),  
Chinese, Korean and Russian

## ClearOne Contacts

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