

COLLABORATE Room PHD 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

- + The best videoconferencing and collaboration of its kind

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
- + The best videoconferencing system of its kind, with sophisticated audio and video technologies
- + Team collaboration software with HD data sharing
- + Industry-leading ClearOne audio performance with HDConference[®] technology
- + Full high-definition (HD) video - 1080p outgoing/incoming resolution at 60 fps for unsurpassed smoothness and life-like motion
- + 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

1080p60 (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

DVI-I

VIDEO OUTPUTS

DVI, HDMI

VIDEO FEATURES

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

CAMERAS

1 x PHD1080p60 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/crestron

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

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