

With Full High-Definition, Videoconferencing Never Looked Better!

Room FHD

Key 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

Top Benefits

- Value for money – Full high-definition (FHD) room system at an affordable price
- Never Obsolete – easily upgradable to support future requirements
- Full videoconferencing functionality: recording, streaming, data sharing
- Compatible with ClearOne professional audio – CONVERGE Pro, INTERACT Pro, INTERACT AT, CHAT 150 speakerphone

COLLABORATE Room FHD is a videoconferencing system offering full high-definition video at an unrivaled price. Designed for medium businesses and corporate meeting rooms, it provides an excellent audio/visual experience.

The Right Mix of Quality and Features

Incorporating innovative technologies developed by pioneers in the worlds of audio and video conferencing, the COLLABORATE Room FHD, like other systems from the COLLABORATE Room series, offers ease of operation and the right mix of quality and features.

- Top-rated echo/noise cancellation for crisp, clean audio every time
- Daisy-chainable HDConference® microphone array for up to 6 microphones, guaranteeing 360-degree coverage to ensure all participants are heard
- Recording – on internal & external HDD for playback and archiving of important meetings
- Streaming – up to 20 people can view a session (great for webinars and remote training)
- Software-based videoconferencing – enabling flexibility, easy upgrades, future-proof scalability, low TCO (total cost of ownership), and openness to the world of unified communications

Unbeatable Return on Investment (ROI)

COLLABORATE Room FHD is a full-featured system at an unbeatable price. With the lowest cost in its class, its high-quality audio and video lets you “be there” without the need to pay for travel. Wherever you are, the multi-purpose design and ease-of-use of the system contribute to workplace efficiency.

FHD-100 System Includes:

- FHD Video Codec Appliance – 1080p 30fps
- Built-in Recording
- Built-in Streaming
- Remote Control

FHD-200 System Includes:

- COLLABORATE Room FHD-100
- COLLABORATE Microphone Array
- 18x PTZ Camera – 1080p 30fps



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, G.723.1, 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 COLLABORATE 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