Full High Definition Room Video Conferencing

# 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, futureproof 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.

#### **System Includes:**

- COLLABORATE Room FHD Codec
- Upgradable up to 9-way MCU
- Recording and Streaming
- •PTZ & Full-HD (1080p) Camera
- HD Microphone Array (daisy-chainable to attach additional mic array)
- Wireless Remote Control
- Power supply and cables



# **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), 4ClF (704 x 576 pixels), 4SlF (704 x 480 pixels), VGA (640 x 480 pixels), ClF (352 x 288 pixels), SlF (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 sharing methods Laptop plug-in (via

#### **Data Specifications**

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

#### **Resolutions Supported**

1 live video source + 1 data source

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