ClearOne.

COLLABORATE™ | Room *SD*
Standard Definition Room Video Conferencing

With Best-In-Class Audio and Video Quality, Videoconferencing Never Looked **Better**!

COLLABORATE Room SD

Key Features
- Up to 9-way multiparty videoconferencing with continuous presence

- Team collaboration software with data sharing

- Industry-leading ClearOne audio performance with HDConference® technology

- High-quality video with smooth motion capture

- 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 – the richest feature set in its price category

- 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 SD delivers excellent quality videoconferencing sessions at a modest price. Designed for small-medium businesses (SMBs), it is a plug & play device that's easy to set-up, operate and upgrade when you're ready.

The Right Mix of Quality and Features
Incorporating innovative technologies developed by pioneers in the worlds of audio and video conferencing, the COLLABORATE Room SD, 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 SD 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.

SD-100 System Includes:
- COLLABORATE Room SD Codec
- Upgradable up to 9-way MCU
- Recording and Streaming

SD-200 System Includes the above, and:
- SD PTZ 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
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 30 fps

Video Inputs
S-Video
Composite

Video Outputs
DVI, HDMI

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

Cameras
Up to 2 x SD PTZ Camera

Dual Display
Supported

AUDIO CHARACTERISTICS
Audio Features
Full duplex echo cancellation
Automatic Noise suppression (ANS)
Automatic gain control (AGC)
Voice Activity Detection (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 DataPoint)
USB Storage key
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 (MXM 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