

All-In-One, High Definition VCB with Unique Cascading, Central Management, Video Recording and Streaming Capabilities

Advantages of Conferencing With ClearOne COLLABORATE VCB

- Video Transcoding for H.261, H.263 and H.264 in 1080p, 4CIF and CIF resolutions in Voice Switching and Continuous essence.
- AAC-LD audio support with transcoding.
- Recording and streaming capabilities
- Up to 36 participants at any number of conferences with max. bandwidth of 6 Mbps.
- Continuous Presence allows users to see up to 25 participants on screen.
- Password Protected Conferences.
- Multilingual Voice Notifications.
- MS Outlook integration for fast and easy scheduling.
- COLLABORATE VCB Cluster Mode to ensure continuous operation.
- Allows mixed H.323 and SIP endpoints in a single multipoint conference and ISDN/PSTN 3G through external Gateway.
- Supports ClearOne's Broadcast Viewer for viewing COLLABORATE VCB recorded and streamed sessions.
- Special Backup & Recovery engine.
- H.460.18/19 support
- Moderation

Collaborate VCB is ClearOne's all-in-one, high definition VCB that integrates multipoint conferencing, advanced video management capabilities, video recording, streaming and scheduling in a single, cost-effective appliance. An advanced yet easy-to-use solution that optimizes your enterprise's videoconferencing network, Collaborate VCB includes an embedded Collaborate Central, ClearOne's full-feature management tool. It also comprises features such as Continuous Presence intelligent conference layouts for up to 25 participants at a time, and a special Presenter Mode for remote education and other vertical markets. Users can invite any number of participants to an ad-hoc or prescheduled conference at any bandwidth, and video resolution. Collaborate VCB includes all the latest audio, video and data algorithms, ensuring that calls involving standards-based videoconferencing endpoints connect and operate smoothly. Collaborate VCB is scalable from 6 to 36 ports and now offers a unique and configurable cascading capability across multiple VCBs for larger conferences.

Advanced Management System and Gatekeeper

Collaborate VCB includes an embedded Collaborate Central, ClearOne's award winning, full-feature management tool, for exceptional video network management and total gateway functionality for legacy and advanced technologies. From a single console in the office, home or on the road, it provides the ability to configure, monitor, manage, upgrade and enforce company conferencing policies on any videoconferencing client in the organization. The Collaborate Central also offers a full suite of tools for centrally managing and administering bandwidth requirements as well as QoS prioritization for each endpoint, a billing engine and reporting capabilities. Full video telephony features include: follow-me, forward when busy, no answer, pick-up, easy dialing to systems outside the organization and directory listing.

WMV Recording and Streaming

Now offering high definition, WMV session recording, Collaborate VCB enables every videoconference session to be recorded, stored and forwarded, allowing even absent colleagues to remain fully updated instantaneously and providing definitive session records. Collaborate VCB also contains the unique WMV streaming feature, which allows live streaming of point-to-point or multipoint conferences while hundreds or thousands of other users can watch the stream through a simple viewer application.

Using ClearOne's free-of-charge Broadcast Viewer, anyone on the network can see what sessions are being broadcast and can view the appropriate one.

Web-based Manager and Moderator

Collaborate VCB Manager offers full-featured, web-based applications for scheduling, status monitoring, configuration and conference moderation capabilities. During conferences, managers have chair control options, and can change display layouts. Additional conference moderation capabilities include adding / removing participants, and starting / stopping multicast streaming of the conference. Administrators can also set up call services which are used to connect multipoint calls. The Manager interface is intuitive, user-friendly and can be viewed in several different languages.



COLLABORATE VCB Models

Model Name	12	24	36
No. of user ports	12	24	36
Gatekeeper size	25-port	50-port	50-port
Web-based Management	Yes	Yes	Yes
Recording Capability	Yes	Yes	Yes
Streaming capability	Yes	Yes	Yes
Software subscription	Yes	Yes	Yes
Data sharing	Yes	Yes	Yes



Specifications

Communications Standards

H.323, SIP, LDAP, HTML/HTTP, FTP, SMTP, RTP/RTCP

ITU-T Standards

H.323, H.350, H.239, H.235

Audio Standards

20 KHz: AAC-LD
 14 KHz: G.722.1 Annex C
 7 KHz: G.722, G.722.1
 8 KHz: G.729
 3.4KHz: G.711, G.723.1, G.728
 Audio transcoding

Video Standards

H.264, H.263+, H.263+, H.263, H.261
 Resolutions: CIF, 4CIF, 1080p H.239: VGA, SVGA, XGA H.281 Annex Q (FECC)
 Full video and H.239 transcoding

Data Rate

30 fps up to 6 Mbps/participant (H.263, H.264)
 30 fps up to 1 Mbps/participant (H.261)

Dialing

Global address book
 LDAP
 Collaborate Central Users
 Groups

Scalability and Performance

Up to 36 ports in CP or VS

Web-based Management — Moderator, Scheduler, Collaborate VCB Configuration

User ID/password authentication
 Add/remove participants User roles and permissions Group management
 Time zone coordination Services configuration Chair control modes:
 - Lecture Mode
 - Text Messages
 - Fixed
 - Automatic Layout Transition

- Dominant speaker
 Scheduling calls
 Microsoft Outlook Integration
 - Point-to-point
 - Multipoint
 - Recurring
 - E-mail notification Start/Stop Recording
 Start/Stop Streaming Advanced Cascading

Session configuration:
 - VS or CP
 - Number of participants
 - Password Protected conference
 - Rich, intelligent layouts
 - Audio algorithm
 - Conference data rate
 - Start/stop multicast
 Automatic Recording

Configuration

Licensed in 12-port increments
 Cascading: VCB, VCB-other IP VCB
 ClearOne Advanced Cascading Mode

Gatekeeper Compatibility

Emblaze-ClearOne
 COLLABORATE Central
 Any standard H.323 gatekeeper

Security

H.460.18/19
 H.235 encryption

Quality of Service (QoS)

Features
 IP Precedence
 DiffServ
 RTP/RTCP port range configuration
 H.245 port range configuration

High Availability Features

Hard Drive: RAID1 (mirroring)
 Ethernet
 Redundant Power Supply Front LCD for IP Address retrieval, Restart or Shutdown Software Service Watchdog