

## 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 presence.
- 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

**Physical Characteristics**

Dimensions (L x W x H)  
 23" x 30 ¼" x 10"

**Part Number**

870-401-800