



#### Advantages of Conferencing With Emblaze-VCON VCBProHD

- 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 4Mbps.
- 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.
- VCBProHD 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 Emblaze-VCON's Broadcast Viewer for viewing VCBProHD recorded and streamed sessions.
- Special Backup & Recovery engine.
- H.460.18/19 support
- Moderation



### All-In-One, High Definition MCU with Unique Cascading, Video Recording and Streaming Capabilities

The VCBProHD is Emblaze-VCON's all-in-one, high definition MCU 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, the VCBProHD includes an embedded MXM, Emblaze-VCON'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. The VCBProHD includes all the latest audio, video and data algorithms, ensuring that calls involving standards-based videoconferencing endpoints connect and operate smoothly. The VCBProHD 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

The VCBProHD includes an embedded MXM, Emblaze-VCON'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 MXM 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, the VCBProHD enables every videoconference session to be recorded, stored and forwarded, allowing even absent colleagues to remain fully updated instantaneously and providing definitive session records. The VCBProHD 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 Emblaze-VCON'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

The VCBProHD 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.

## Specifications

**Emblaze-VCON Ltd.**  
**Headquarters**  
 Beit Rakefet  
 1 Emblaze Square  
 POB 2220  
 Ra'anana 43662  
 Israel  
 Tel: +972-9-7627800  
 Fax: +972-9-7627801

**Emblaze-VCON, Inc.**  
**Americas**  
 2 University Plaza, Suite 201  
 Hackensack, NJ 07601  
 USA  
 Tel: +1-201-883-1220  
 Fax: +1-201-883-1229

**Emblaze-VCON**  
**UK and Middle East**  
 27 Old Gloucester Street  
 London WC1N 3XX  
 United Kingdom  
 Tel: +44 (0)203 372 8455

**Emblaze-VCON India**  
 4/1201 Sagar Darshan Towers  
 Sector 18, Nerul  
 Navi Mumbai 400706  
 India  
 Tel: +91 932 250 7755

**Emblaze-VCON Korea**  
 #622 Prime yeouido center,  
 Korea husing Bldg.  
 45-11 Yeouido-dong  
 Yeongdeungpo-gu, Seoul  
 Tel: +82 70 7931 5777  
 Fax: +82 2 6008 5791

**Emblaze-VCON Russia & CIS Representative Office**  
 5/1 Bolshoy Suharevsky Per  
 Moscow 127051  
 Russia  
 Tel: +7 499 788 72 39  
 Fax: +7 495 616 33 66

**Emblaze-VCON Italy**  
 Satnet S.r.l.  
 Via Abegg, 43  
 10050 - Borgone Susa (TO)  
 Tel: +39 011 964 1375  
 Fax: +39 011 976 2802

**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  
 3.4KHz: G.711, G.723.1, G.728,  
 G.729  
 Audio transcoding

**Video Standards**  
 H.264, H.263++, H.263+, H.263,  
 H.261  
 Resolutions: CIF, 4CIF, 720p, 1080p  
 H.239: VGA, SVGA, XGA, 720p  
 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  
 MXM Users  
 Groups

**Scalability and Performance**  
 Up to 36 ports in CP or VS based  
 on resource pool limitation  
 Licensed in 12-port increments

**Scheduler**  
 Scheduling calls/groups  
 Express mode  
 Time zone coordination  
 Resource reservation  
 MS Outlook Integration  
 Point-to-point  
 Multipoint  
 Recurring  
 E-mail notification

**Moderator**  
 User ID/password authentication  
 Add/remove participants  
 User roles and permissions  
 Group management  
 Services configuration  
 Chair control modes:  
 Lecture Mode  
 Text Messages  
 Fixed  
 Automatic Layout Transition  
 Dominant speaker  
 Recording  
 CIF: 3000 hours, 4CIF: 2000 hours,  
 720p: 1000 hours, 1080p: 500 hours  
 Streaming (limited by bandwidth only\*)  
 Multicast  
 Service/Conference configuration  
 VS or CP  
 Number of participants  
 Password Protected conference  
 Rich, intelligent layouts  
 Audio algorithm  
 Conference data rate

**Interfaces**  
 Web-based  
 MXM Admin  
 SSH

**Monitoring**  
 SNMP  
 Event Log

**Cascading**  
 Cascading: VCB-VCB, VCB-other IP  
 MCU  
 VCON Advanced Cascading Mode

**Gatekeeper Compatibility**  
 Emblaze-VCON MXM  
 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)  
 Memory: 12GB  
 NIC: 4 x Gb Ethernet  
 Redundant Power Supply  
 Front LCD in some of the models  
 Software Service Watchdog

