

Software Only Multimedia Video Conferencing



Advantages of Conferencing with vPoint HD

- Low-cost, high-quality IP videoconferencing
- Multiple viewing modes from mini-mode to full-screen
- Remote software upgrades from network administrator guarantee uniformity across the organization (with MXM)
- Incorporates H.239, HD DualStream™ for simultaneously sending and receiving video + data streams
- Supports encrypted conferences using the H.235 encryption standard
- Emblaze-VCON PacketAssist™ architecture for advanced Quality of Service (QoS) over IP
- Supports the ability for users to maintain multiple login profiles (MXM and non-MXM) for maximum business flexibility

vPoint HD is Emblaze-VCON's latest software-only client for personal conferencing. vPoint HD encompasses the highest quality audio and video available in the market today, and includes features and functionality that move it beyond a desktop videoconferencing application. vPoint HD includes multiple media transport capabilities for video, audio and data. Among vPoint HD's advanced capabilities is the ability to send and receive video+data streams simultaneously using Emblaze-VCON's DualStream™ technology. Additional streaming capability, using Emblaze-VCON's Simulcast™, allows vPoint HD to chair or participate in corporate broadcasts. vPoint HD includes a built-in vMail application, allowing users to send video e-mails as well as record and play local videos. vPoint HD is versatile and a key application for any PC or laptop user, in organizations of any size.

Highest Quality Audio and Video

Using the latest video standard, H.264, vPoint HD transmits and receives High-Definition quality video. Users can participate in videoconferences at data rates ranging from 64 Kbps to 4 Mbps, depending on the available bandwidth.

vPoint HD's audio features include full duplex echo cancellation, automatic noise suppression and wide-band audio in low bit-rate calls, all combining to deliver clear audio to the desktop.

Superior Collaboration Environment

vPoint HD gives users the ability to share data from their desktop with the remote side. Various forms of sharing are possible such as desktop, file, window and region sharing. When deployed in conjunction with Emblaze-VCON's Media Xchange Manager® (MXM), users can "invite" a 3rd party into their conference and everyone will automatically be placed into a multipoint conference bridge. Other video telephony features, such as video call transfer and video call forward are also possible when the MXM is combined.

Corporate Friendly

Using the MXM Administrator program, the network administrator can remotely upgrade all vPoint HD endpoints, as well as manage those endpoints on a day-to-day basis. vPoint HD includes video and audio device discovery as well as an audio tuning wizard, making it easy to install and operate, no matter which cameras and audio devices the user chooses.



Minimum PC Requirements

Emblaze-VCON Ltd. Headquarters

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

- Pentium IV 1.6 Ghz PC
H.264 requires Pentium IV 2.8 Ghz HyperThread-based CPU or 1.2 Ghz Centrino CPU or AMD PCs equal or faster than Athlon XP 2600 and Athlon 64 2800*
- Windows 2000, XP
- 25 MB available disk space
- 256 MB RAM

- Graphic display that supports DirectX 9.0
 - 2 available USB Ports (for video device and USB protection key)
- Note:** For Executive model, H.264-capable PC with USB 2.0 support is required for optimum performance

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 China Representative Office

Unit 1321, Tower B. COFCO Plaza
8 Jianguomennei Avenue
Beijing, 10005
China
Tel: +86-10-6526-9791
Fax: +86-10-6526-9790

Emblaze-VCON GmbH Germany

Schmellerstr. 23
D-80337 Munchen
Germany
Tel: +49-89-76757142
Fax: +49-89-76757143

Emblaze-VCON Italy Via Portuense 1555

Commercity M27
00050 Ponte Galeria (Rome)
Italy
Tel: +39-06-400-43110
Fax: +39-06-400-43113

Emblaze-VCON UK

London House, 42 Brook St.
London, W1K 5DB
United Kingdom
Tel: +44 (0)117 302 6795
Fax: +44 (0)117 302 6794

Specifications

Video Specifications

Transmission Speed
H.323: 64 Kbps - 4Mbps

Video Standards
H.261, H.263, H.263+//+
H.264 - up to 512Kbps outgoing

Live Video Resolution
Interlaced CIF (352 x 576 pixels)
CIF (352 x 288 pixels)
SIF (352 x 240 pixels)
QCIF (176 x 144 pixels)
QVGA (320 x 240 pixels)
VGA (640 x 480 pixels)
720p (1280 x 720 pixels) incoming only

Video Frame Rate
Up to 15 fps: 64 - 128 Kbps
Up to 20 fps: 192 Kbps
Up to 30 fps: 256 Kbps +

Video Features
Video device discovery
Automatic NTSC/PAL detection
Unlimited number of video devices supported

HD Simulcast™
Chair or Participant in any Interactive
Multicast session
Integrated Broadcast Viewer
Uses bandwidth-efficient IP multicast

Audio Specifications
Audio Features
Full duplex echo cancellation
Automatic noise suppression (ANS)
Automatic gain control (AGC)
Audio device discovery
Audio tuning wizard
Unlimited number of audio devices supported
Headset and speaker profiles
Voice Activity Detection (VAD)

Audio Standards

G.711, G.722, G.722.1, G.723.1,
G.728, G.729, AAC-LD

Data Specifications
HD DualStream™
File, region, and window sharing
Windows desktop sharing
H.239 support
Tandberg DuoVideo support
Sending and receiving capability
1 live video source + 1 data source
Resolutions supported:
XGA, SVGA, VGA, CIF, QVGA, QCIF*

Networking Specifications

Standards Supported
ITU-T: H.323 v4.2
H.281 Annex Q (FECC)

H.323 QoS Feature

DiffServ
IP Precedence
Firewall port sync
NAT IP address mask
Port pinholing
Adaptive Bandwidth Adjustment
Packet loss recovery (FEC)
Packet ordering
Packet duplication control
Jitter correction
Lip sync correction
Overhead prediction
Max packet size adjustment

Other Specifications

PTZ Camera Unit (Exec model)
1/4 inch color CCD
NTSC - 768 x 495 pixels
PAL - 752 x 585 pixels
Focal length: 4.2 to 44 mm
16x zoom range

Viewing Modes

Mini screen
Regular screen
Large screen
Full screen

Dialing Modes

Manual
Speed dial
Personal address book
Online directory
Multicast chair
Broadcast viewer

Security

Encryption using H.235 (AES)
Using Emblaze-VCON SecureConnect
DES, 3DES and AES support
AES is NIST validated
Supports restricted access users

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
Directory and Exchange
Sun iPlanet
Netscape Directory
Search and filter queries

Language Support

English, French, German, Italian,
Spanish (Spain and Latin), Portuguese
(Brazil), Chinese and Japanese