

Advantages of Conferencing with vPoint HD

Low-cost, high-quality IP

Multiple viewing modes from mini-

Remote software upgrades from

network administrator guarantee uniformity across the organization

DualStreamTM for simultaneously

sending and receiving video + data

Supports encrypted conferences

Emblaze-VCON PacketAssistTM

Supports the ability for users to

maintain multiple login profiles

(MXM and non-MXM) for maximum

architecture for advanced Quality

using the H.235 encryption

of Service (QoS) over IP

business flexibility

videoconferencina

mode to full-screen

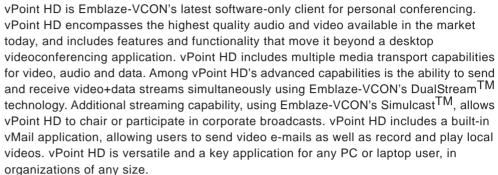
Incorporates H.239, HD

(with MXM)

standard



# **High-Definition Desktop Videoconferencing**



# 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

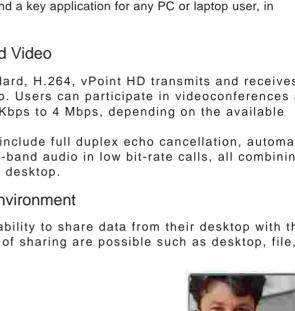
vPoint HD gives users the ability to share data from their desktop with the remote side. Various forms of sharing are possible such as desktop, file, window and region sharing.

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-today 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.







Emblaze-VCON's vPoint HD adds the crucial visual dimension to remote business interactions.



# Video Made Easy





**High-Definition Desktop Videoconferencing** 

# Minimum PC Requirments

g 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\*

- g Windows 2000, XP
- g 25 MB available disk space
- g 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

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

Emblaze-VCON Ltd.

Emblaze-VCON, Inc., Americas 2 University Plaza, Suite 201 Hackensack , NJ 07601

Tel: +1-201-883-1220 Fax: +1-201-883-1229

Emblaze-VCON China Representative Office Unit905, 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

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

### $HD\ Simulcast^{TM}$

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 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 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 Features 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

<sup>\*</sup> In non-H.264 capable PCs, DualStream resolution is up to CIF.



