EMBLAZE VCON
Video Made Easy

xPoint

Executive Videoconferencing Room System

With unparalleled simplicity for the end user, Emblaze-VCON's new room system – xPoint™ – enables executives, managers and educators with dispersed colleagues and operations to collaborate more clearly and effectively across continents. By delivering a life-like visual experience over IP and ISDN networks, Emblaze-VCON's user experience relies on superior video and audio and real-time manageability. In a world of video, xPoint™ brings users face-to-face with the people and organizations they need to be in touch with daily, allowing them to turn any videoconference into a fully interactive workgroup meeting with only a click of a button.

True Collaboration Solution
In addition to providing value as an advanced videoconferencing solution, the xPoint™ incorporates advanced data conferencing capabilities, allowing users to share or receive presentations and various multimedia formats such as audio clips, video multimedia, still images and more. Sharing data is easy, either by connecting a USB flash disk with your presentation or connecting your laptop to the integrated VGA input.
In addition to the camera input, a VCR/DVD can be connected to an additional input allowing movies or training videos to be played to the remote side, with full audio, and the ability to hear the conference presenter along with the movie sound.

The dual monitor capability allows simultaneous view of the local and remote parties, in full size, on separate displays. When data sharing is in progress, the remote party and the data shared can be displayed in full screen on separate screens.

Conducting a multi party broadcast session is available using the Emblaze-VCON Interactive Multicast™ technology. From tens to hundreds of participants per call, chairing a broadcast call enables controlling the presenting party passing the floor between participants, and locking the call when all required parties are connected.
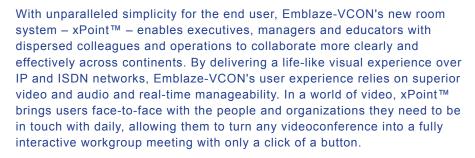
Advantages of Conferencing With **xPoint**™

→ Provides TV-like video quality using advanced video standards.

→ Various network types: IP (up to 4MB) and ISDN (up to 512Kbps)

→ H.264 video support up to 4 Mbps

→ Advanced data sharing capabilities with multiple user options

→ Native 16:9 wide screen display support

→ Dual monitor support

→ CD-quality audio using 20 KHz ultra-wide band audio

→ Web-based management for easier control and administration

→ Optional Accessories
Tabletop pod
3 Speaker System

→ Supports encrypted conferences using the H.235 encryption standard

HD series

Make a Call

| Type a Number / Name | Call type | Bandwidth |
| 172.168.1.136   Adress Book | H.323 | 384 |

Call   Back   xPoint

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 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

Video Specifications
Transmission Speed
H.323: 64 Kbps - 4Mbps
ISDN 64 Kbps -512 Kbps (4xBRI)

Video Standards
H.261, H.263, H.263+/++
H.264

Live Video Resolution
QCIF (176 x 144 pixels)
QVGA (320 x 240 pixels)
CIF (352 x 288 pixels)
SIF (352 x 240 pixels)
VGA (640 x 480 pixels)
4CIF (704 × 576)
4SIF (704 x 480)
720p (1280 x 720 pixels) incoming only

Video Frame Rate
Up to 10 fps: 64 Kbps
Up to 20 fps: 96 to192 Kbps
Up to 30 fps: 256 Kbps and higher

Video Inputs
1 Composite and S-Video

Video Outputs
1 each: S-video, Composite, Digital Video Interface (DVI), VGA

HD SimulcastTM
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 Standards
20 KHz: AAC-LD
7 KHz: G.722, G.722.1
3.4 KHz: G.711, G.723.1, G.728,G.729
AMR (3G)

Data Specifications
Data Sharing Methods
Laptop plug in (via Tabletop Pod)
USB storage key
Documents: PPT, PPS
Video clips (AVI, MPEG, WMV, etc.)
Audio clips (WAV, MP3)
Graphic files (BMP, GIF, TIF, etc.)

HD DualStreamTM
Sharing of file, or the VGA input
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, 4CIF

Networking Specifications
Standards Supported
ITU-T: H.323 v4.2
Annex Q (FECC)
ISDN: H.320, H.221, H.242, H.230

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

Peripheral Specifications
Pan-Tilt-Zoom Camera Unit
Picture - 1/4-color CCD
Focal length - 3.1mm to 31mm
Pan-Tilt range - +/-100o Pan, +/-25o Tilt
Zoom range - 10x (optical), 40x (digital)
Horizontal resolution
460 TVL (PAL), 470 TVL (NTSC)

Monitors Configurations
Single DVI, VGA or TV
Dual: DVI + VGA
Dual: VGA + TV
Dual: DVI+TV

Features Specifications
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 Emblaze-VCON Frontier
— Firewall traversal
— Network address translation
Supports restricted access to users via admin

Control
International remote control
Embedded web-based management

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

Environmental
0 - 40°C temperature
15 - 80% humidity
Universal power supply
Operating voltage: 120V or 230V
Operating frequency: 50 Hz or 60 Hz

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

EMBLAZE VCON
Video Made Easy

www.emblaze-vcon.com