

xPoint

Executive Video Conferencing

Executive Videoconferencing Room System

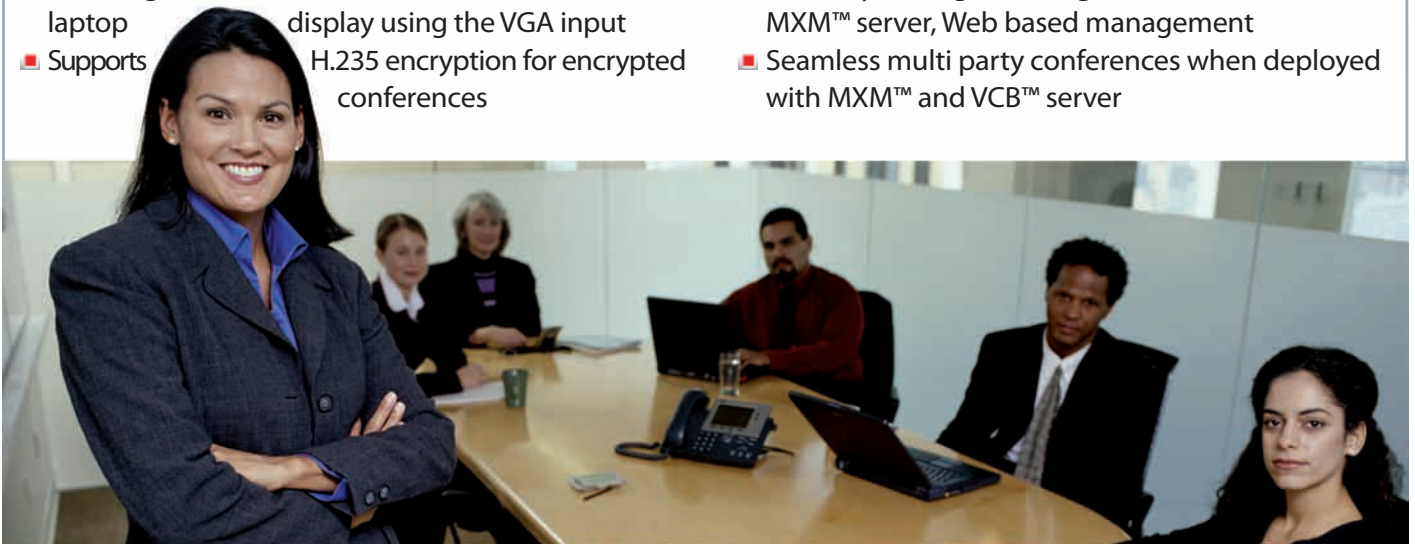
With unparalleled simplicity for the end user, Emblaze-VCON's new room system – xPoint™ – enables executives, managers and educators with dispersed colleagues and operations to collaborate more clearly and effectively across continents.

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.

- Transmit and receive high definition quality video up to 4CIF resolution. Receive up to 720p resolution
- Audio capabilities including full duplex echo cancellation, automatic noise suppression, automatic gain control and wide-band audio in low bit-rates (AAC-LD)
- Support both H.323/SIP and ISDN (up to 4BRI lines) transports
- Incorporates H.239 for simultaneously sending and receiving video + data streams. Share an external laptop display using the VGA input
- Supports H.235 encryption for encrypted conferences
- Support dual display and 16:9 displays
- Use a global directory listing to locate and initiate call to colleagues
- Chair or participate in interactive broadcast conferences. Use the freely available broadcast viewer to view broadcasts from other locations
- Incorporates Emblaze-VCON PacketAssist™ architecture for advanced Quality of Service (QoS) over IP
- Centrally managed through the Emblaze-VCON MXM™ server, Web based management
- Seamless multi party conferences when deployed with MXM™ and VCB™ server



Make a Call

Type a Number / Name	Call type	Bandwidth
<input type="text" value="172.168.1.136"/> <input type="button" value="Address Book"/>	<input type="text" value="H.323"/>	<input type="text" value="384"/>
<input type="button" value="Call"/> <input type="button" value="Back"/>		



Specifications

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 x 576pixels)
4SIF (704 x 480 pixels)
720p (1280 x 720 pixels) incoming only

Video Frame Rate

up to 10 fps: 64 Kbps, up to 20 fps: 96 to 192 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 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 Standards: 20 KHz: AAC-LD,
14KHz: G.722.1 AnnexC, 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 DualStream™

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 Quality of Service 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 - +/-100° Pan, +/-25° 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

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

Language Support

English, French, German, Italian, Korean,
Russian, Chinese

Exclusive distributor of products
from Emblaze-VCON
for Central-, North- and
West Europe as well Russia

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reserve.