



## Advantages of Conferencing with xPoint™

- Provides TV-like video quality and up to 720p (incoming)
- H.264 video support up to 4Mbps and ISDN up to 512Kbps (4xBRI)
- 6-site multiparty conferencing via embedded MCU
- Advanced data sharing capabilities
- Session-recording, storing and forwarding
- 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
- Telnet API for AMX/Crestron
- Supports encrypted conferences using the H.235 encryption standard

Emblaze-VCON's favored room solution, xPoint, is a high-performance set-top appliance that has been enhanced to include even more superior features for optimal executive videoconferencing. Delivering TV-like video quality with 720p incoming video and crisp, CD-quality audio over both IP and ISDN networks, xPoint is the ideal videoconferencing solution for executive meeting rooms. With its 6-site multipoint conferencing, DualStream™ technology and session-recording and streaming capabilities unique to Emblaze-VCON endpoints, the xPoint offers full-feature functionality and standards-based interoperability in a single sleek appliance.

### Accelerate and Record Enterprise Collaboration

The xPoint system brings executives and managers face-to-face with multiple colleagues, partners and clients world-wide by conducting point-to-point and multipoint videoconferences for up to six participants simultaneously. The only videoconferencing set-top appliance on the market offering the session-recording feature, the xPoint now enables every videoconference to be recorded, stored and forwarded, allowing even absent colleagues to remain fully updated instantaneously.

By leveraging H.239 and DualStream™ technologies, the xPoint turns a videoconference into an opportunity for effective collaboration and productivity with presentations, spreadsheets, documents and video clips easily shared via VGA and USB inputs.

### Exceptional User Experience

With its stylish look, superior video and audio quality, easy-to-use intuitive user interface and conference room integration capabilities, the xPoint is fast becoming the preferred videoconferencing tool for organizations seeking an exceptional videoconferencing solution.



## Specifications

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### 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 - up to 2Mbps outgoing

### 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 576 pixels)  
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

### 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

20Khz: AAC-LD  
14Khz: G.722.1 Annex C  
7 KHz: G.722, G.722.1  
3.4Khz: 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  
H.281 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)  
Support for Canon camera available

### 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  
Telnet API for AMX/Crestron

### 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