

High Definition, Feature-Rich Room Videoconferencing System

xPoint^{HD} is a State-of-the-Art Videoconferencing technology adapted to High-Definition, Feature-Rich Room Videoconferencing systems.

All-In-One

xPoint^{HD} is an All-in-One High Definition videoconferencing system. Featuring 1+8 embedded MCU, built-in recording capability, streaming of live and recorded sessions, data sharing, interactive multicast and much more...



Why buy 2 or 3 products when you can have it all in just one box?

High Quality

xPoint^{HD} provides you with the highest quality video. You can now interface with people half way across the world in the comfort of your own office.

Affordable

xPoint^{HD} provides affordable video collaboration, enabling you to work efficiently and effectively without the overhead of expensive integrated systems. xPoint^{HD} provides you with the peace-of-mind of tailor-made conferencing suites without the expense involved.

Main Features

- < Embedded MCU 1+8
- < Recording & Streaming
- < Streaming via Web Interface
- < Interactive Multicast Chair/Participant
- < Session Multicasting
- < ISDN
- < Embedded Broadcast Viewer
- < Data Sharing
- < Share files via USB key
- < Laptop screen sharing
- < Online Directory
- < Web-based management
- < Displays running Ticker
- < Dual Display



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Multicast

Request floor

Request talk

Cancel request

Return Floor

Hangup

Start Record

Back

Video Characteristics		Audio Characteristics	
Video Specifications:	Transmission Speed, H.323: 64 Kbps - 6Mbps, ISDN 64 Kbps -512 Kbps (4xBRI)	Audio Features:	Full duplex echo cancellation, Automatic noise suppression (ANS), Automatic gain control (AGC), Voice Activity Detection (VAD)
Video Standards: Live Video Resolution:	1080p Rx, 720p Tx (1280 x 720 pixels), 4CIF (704 x 576 pixels), 4SIF (704 x 480 pixels), VGA (640 x 480 pixels), CIF (352 x 288 pixels), SIF (352 x 240 pixels), QVGA (320 x 240 pixels), H.264 UP TO 6Mbps, H.263+/+, H.263, H.261, QCIF (176 x 144 pixels)	Audio Standards:	20 KHz: AAC-LD, 14Khz: G.722.1 Annex C, 7 KHz: G.722, G.722.1 3.4 KHz: G.711, G.723.1, G.728, G.729, AMR (3G)
Video Frame Rate:	Up to 30 fps	Data Characteristics	
Video Inputs:	1xHD-SDI	Data Specifications:	Data Sharing Methods, Laptop plug in (via Tabletop Pod), USB storage key Documents: PPT, PPTX, PPS, PPSX, DOC, DOCX, XLS, Video clips (AVI, MPEG, WMV, etc.), Audio clips (WAV, MP3), Graphic files (BMP, GIF, TIF, etc.), H.239 support, Tandberg DuoVideo support, Sending and receiving capability, 1 live video source + 1 data source
Video Outputs:	2xHDMI/DVI/VGA	Resolutions supported:	XGA, SVGA, 4CIF, VGA, CIF
Monitors Configuration	Single/Dual	Networking Characteristics	
Video Features:	Supported, MCU 1+8 Video Switch/CP/MC/Stream/Record (Multiple-cam model optional).	Networking Specifications Standards Supported:	ITU-T: H.323 v4.2, Annex Q (FECC), ISDN: H.320, H.221, H.242, H.230
Recording:	CIF: 3000 h, 4CIF: 2200 h, 720p: 1100 h	Wireless Connectivity:	802.11b/g (Wi-Fi dongle not included)
	Chair or Participant in any Interactive Multicast session Integrated Broadcast Viewer Uses bandwidth-efficient IP multicast.	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
Dialing Modes	Manual, Speed dial, Personal address book, Online directory, Multicast chair, Broadcast viewer, Telnet API for AMX/Crestron	Controls	International remote control, Embedded web-based management, Telnet API for AMX/Crestron
Security & Encryption	Encryption using H.235 (AES); Supports Emblaze-VCON Netpoint, Firewall traversal, Network address translation, Supports restricted access to users via admin	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 Search and filter queries

Interactive Multicast Call Manager

Participants (2)

Status	Name
	172.20.1.212
	CITY_1_1

Grant Talk Automatically grant floor
 Grant Floor Answer mode
 Clear Request Auto answer
 Reclaim Floor Auto reject
 Disconnect Manual answer
 Add Participant

Hang Up Start Record Back

* Coming Soon

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Physical Characteristics		Stand-alone Chassis, 7	-mountable
<	Dimensions:	39.65 cm x 10.93 cm x 8.52 cm	
<	Weight:	16.5lbs/ 7.5kg	
<	Standard I/O Ports:	8 USB 2.0 ports, 2 front, 6 rear (flex bay) 1 RJ-45; 2 PS2; 1 serial; 1 parallel; 1 ESATA; 2 Line-in (stereo/microphone); 2 Line-out (headphone/speaker)	
Power Supply			
<	Universal power supply:	305W Standard Power Supply; 255W 88% Efficient Power Supply, ENERGY STAR 5.0 compliant, Active PFC	
<	Operating Voltage:	120V or 230V	
<	Operating Frequency:	50 Hz or 60 Hz	
Peripheral Specifications			
Pan-Tilt-Zoom Camera Unit			
<	Camera Type VCON 90 HDA::	1/2.5 inch, 2.5 Million pixel high quality HD CMOS transducer, Lens zoom: 10x optical zoom, f=4.5- 45.0mm, F1.8-2.2, Wide angle lens: 0.7x wide angle lens, caliber 30mm, Visual Angle: 5.4°(farness) --70°(nearness),	
Environmental Characteristics			
<	Temperature:	0°C-40°C	
<	Non-Operating Temperature:	-20°C-80°C	
<	Humidity Range:	15 - 80% (non-condensing)	
Regulatory			
<	Regulatory Compliance:	CECP, ENERGY STAR 5.0,TCO 05, WEEE, EPEAT GOLD, Japan Energy Law, CES, Japan Green PC, FEMP, South Korea Eco-label, EU RoHS, China RoHS Other Environmental Options: Dell Energy Smart settings; Plant a Tree Carbon Off-set; Multi-Pack; Package Take Back; Quiet Kit; System Recycle (Asset Recovery Service); Post-consumer recycled content,* Custom Factory Integration Services	
Language Support :		English, French, German, Italian, Spanish (Spain and Latin America), Portuguese (Brazil), Chinese, Korean and Russian	

About Emblaze-VCON

Emblaze-VCON is a world leader in the development and deployment of high-performance, end-to-end videoconferencing solutions over IP and ISDN networks. Our award-winning products enable enterprises of all sizes to boost productivity and efficiency through enhanced collaboration and seamless communications across cities, countries and continents.

Emblaze-VCON has perfected a full suite of industry-leading, standards-based videoconferencing solutions comprising feature-rich boardroom systems and desktop video applications, as well as enhanced network management tools and infrastructure solutions.

Our best-of-breed products offer the latest in videoconferencing technology, such as high definition video and audio, embedded multiparty conferencing, advanced data-sharing and cutting-edge recording/streaming capabilities.



