

High Definition, Software - Only Room Video Conferencing System

The HD7000 is Emblaze-VCON's latest high definition, software - only room videoconferencing system. The HD7000's high definition video quality delivers sharper and wider angle images with a more detailed picture. Together with its crisp, CD-quality audio and top-of-the-range features, the HD7000 promotes vibrant communications and results-driven meetings across cities, countries or continents. Combining the best of high definition with feature-rich functionality and standards-based interoperability, the HD7000 is the smart choice for organizations seeking a video conferencing software that delivers exceptional visual communications.

Advantages of Conferencing with HD7000

- High definition videoconferencing system
- H.264 video support up to 4 Mbps
- Dual monitor support
- CD-quality audio using 20 KHz ultra-wide band audio
- Native 16:9 wide screen display support
- Supports encrypted conferences using the H.235 encryption standard
- Web-based management
- 1080p ready

Accelerate Enterprise Collaboration

In today's global and dynamic economy, real-time collaboration and rapid decision-making are vital. By leveraging H.239 and DualStream™, the HD7000 turns a high definition videoconference into an opportunity for effective collaboration and productivity with presentations, spreadsheets, documents and video clips easily shared via VGA and USB inputs.

Ideal for AV Integrators and Hardware Vendors

As a software product, the HD7000 is ideal for integrators who wish to use their own hardware to easily provide a complete videoconferencing system for conference rooms, classrooms or training rooms. AV Integrators particularly appreciate HD7000 as it is designed for easy customization to equip organizations with the integrated audiovisual systems that meet their specific communications needs.



The HD7000's high definition video and audio provide an outstanding conferencing experience from any boardroom, classroom or workgroup setting.



Multimedia Conferencing System

Minimum PC Requirements

- PC-based Intel 45nm E8400 (or higher)
- 2 GB DDR2 RAM
- 2 PCIx Slots. 16 lane, 4 lane
- HDD 60 GB (recording utilizes 4 GB per hour)
- Windows XP Professional
- Capture: Blackmagic Decklink HD Extreme
- Display: ATI HD 2600
- International remote control

Optional:

- Tabletop Pod (VGA input, Microphone connector, USB key input)
- ISDN 512 Kbps (4xBRI) connectivity
- 3 Speaker system w/subwoofer

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 - up to 4Mbps

Live Video Resolution

Up to 720p (1280 x 720 pixels) at 768Kbps and above
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)
QCIF (176 x 144 pixels)

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 Features

Video device discovery
Automatic NTSC/PAL detection
Unlimited number of video devices supported
HD SimulcastTM
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
Voice Activity Detection (VAD)
Front Mic Support

Audio Standards

20 KHz: AAC-LD
14 KHz: G.722.1 Annex C
8 KHz: G.729
7 KHz: G.722, G.722.1
3.4 KHz: G.711, G.723.1, G.728
AMR (3G)

Data Specifications

Data Sharing Methods
Documents (MS Office, PDF, etc.)
Video clips (AVI, MPEG, WMV, etc.)
Audio clips (MP3)
Graphic files (BMP, GIF, TIF, etc.)
Internet
Other (HTML, MS Project, etc.)
VGA IN via tabletop pod option
HD DualStream™
Sharing of file, window, browser, and Windows desktop
H.239 support
Tandberg DuoVideo support
Sending and receiving capability
1 live video source + 1 data source
Resolutions supported:
XGA, SVGA, 4CIF, VGA, CIF, QVGA, QCIF

Networking Specifications

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

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

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 users

Control

International remote control (Option)
Wireless keyboard (option)
Embedded web-based control

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, Japanese, Greek, Turkish

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