



HD 7000

EMBLAZE VCON

High Definition, Software - Only Room VideoConferencing System



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

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.

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

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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

