

HD4000pro

MultiMedia PC-Based conferencing system

Emblaze-VCON's HD4000pro workgroup conferencing system combines the versatility of a high-performance multimedia platform with high-quality videoconferencing.

Utilizing the newest H.264 video standard, and clear, crisp audio, the HD4000pro brings users face-to-face with the people and organizations they need to be in touch with. The HD4000pro incorporates advanced data conferencing capabilities, allowing you to turn any videoconference into a fully interactive workgroup meeting with the click of a button. The HD4000pro is part of Emblaze-VCON's total rich media conferencing solution, which enables seamless communication and collaboration using all forms of interactive media.

Multi-purpose Solution

In addition to providing value as an advanced videoconferencing solution, the HD4000pro can also be used as a high-performance multimedia workstation. In a small conference room with



HD4000pro allows organizations to create workgroup conferencing systems that add multiple dimensions of communication to any boardroom, classroom or workgroup setting.



a single monitor, or a large training room with dual plasma displays, the HD4000pro can be accessed to perform multiple functions. The HD4000pro can be used during a meeting or training session to display presentations or VCR/DVD videos. When the HD4000pro is connected to the local area network, it can access network files to display during a videoconference, or to share during a meeting. With its access to the Internet, the HD4000pro can be used to join a web data conference or instant messaging session; regardless of whether or not the system is in a videoconference.

Flexible and Easy To Use

The HD4000pro provides flexibility for customers looking for a complete videoconferencing application for their conference rooms, classrooms or training rooms offering an open system where various applications can be installed in addition to the conferencing and shared during calls or offline. The system is controlled by remote control or wireless keyboard, allowing greater control and navigation options.

The HD4000pro allows sharing various document types, including office™, multimedia files or running applications with a click of a button.

Advantages of Conferencing with HD4000pro

- Provides TV-like video quality using advanced video standards
- Advanced data sharing capabilities with multiple user options
- H.264 video support up to 4 Mbps and ISDN up to 512 Kbps
- Native 16:9 wide screen display and Dual monitor support
- CD-quality audio using 20 KHz ultrawide band audio
- Call forward, call pickup, call transfer, ad-hoc conferencing
- Web-based management for easier control and administration
- H.239 and HD DualStream™ for simultaneously sending and receiving video and data streams
- Supports encrypted conferences using the H.235 encryption standard

What's in the box?

In the box	Optional
Multimedia videoconferencing system	Tabletop Pod
Windows XP Professional	(VGA input, Microphone connector, USB key input)
Pan-Tilt-Zoom (PTZ) camera	ISDN 512 Kbps (4xBRI) connectivity
Wireless keyboard	3 Speaker system w/subwoofer
Tabletop Microphone	
Installation and setup guide	
System Cables	
International remote control	

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

CIF (352 x 288 pixels), 4CIF (704 x 576 pixels)
SIF (352 x 240 pixels), 4SIF (704 x 480 pixels)
QCIF (176 x 144 pixels)
QVGA (320 x 240 pixels), VGA (640 x 480 pixels)
up to 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: DVI (Digital Video Interface), VGA, S-video

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, Voice Activity Detection (VAD)

Audio Standards

20 KHz: AAC-LD, 14 KHz: 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
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.)

Networking Specifications

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

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, VGA, CIF, QVGA, QCIF

H.323 Quality of Service

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, Wireless keyboard
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, Sun iPlanet
- Active Directory and Exchange, Netscape Directory Search and filter queries

Language Support

English, French, German, Italian, Spanish (Spain and Latin), Portuguese (Brazil), Chinese and Japanese



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

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Changes and mistakes
reserve.