

High Definition Video Conferencing System

The HD7000pro is Emblaze-VCON's latest high definition room videoconferencing system. The HD7000pro'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 HD7000pro 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 HD7000pro is the smart choice for organizations seeking 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 HD7000pro 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.

PC-based Solution Ideal for Executive Boardrooms and Vertical Markets

A complete PC-based solution, the HD7000pro is ideal for executive boardrooms as well as for integration into vertical markets such as educational institutions, healthcare organizations, financial institutions and government agencies. It provides a full conferencing system to enterprises that employ collaborative business practices, simultaneously boosting revenues while bringing down costs. As a high definition, distance learning tool for the education industry, as well as for corporate training purposes, the HD7000pro offers a compelling and interactive experience for students, employees, partners and suppliers worldwide enabling detailed instruction in a natural and easy-to-use environment.

Advantages of Conferencing with HD7000pro

- 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 HD7000pro's high definition video and audio provide an outstanding conferencing experience from any boardroom, classroom or workgroup setting.



Multimedia Conferencing System

What's in the box?

- Multimedia videoconferencing system
- Windows XP Professional
- Pan-Tilt-Zoom (PTZ) camera
- Wireless keyboard
- Tabletop Microphone
- Installation and setup guide
- System Cables
- International remote control

Optional:

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

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 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 Inputs

1 HD-SDI

Video Outputs

2x DVI (Digital Video Interface)
2x VGA
S-video

Video Features

Video device discovery
Automatic NTSC/PAL detection
Unlimited number of video devices supported
HD Simulcast™
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
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.)
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

Camera Specification

Pan-Tilt-Zoom Camera Unit
Picture – 1/3-type CMOS
Effective pixels - 2 Megapixels (16:9)

Lens - 10x optical zoom - 40x with digital zoom
Pan - ±100°
Tilt - ±25°

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

EMBLAZE VCON

Video Made Easy

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