

## HD4000

*Software-only group videoconferencing solution with high definition audio and video*

### Additional Features

- International Languages
- Dual monitor support
- Several on-screen configuration options
- Six dialing modes

### Optional Accessories

- PTZ camera
- Microphone
- Wireless keyboard
- International Remote Control
- Document camera

### Key MXM Features

- Ad-hoc conferencing
- Call transfer
- Online directory
- Simplified gateway dialing
- Remote call initiation
- Remote call termination
- Call detail records
- Hunting groups
- Call forward

The HD4000 is VCON's software-only workgroup conferencing system that combines the versatility of a software-only platform with high-quality videoconferencing. Utilizing the newest H.264 video standard, and clear, crisp audio, the HD4000 allows organizations to build a group videoconferencing system that is an exact fit for their needs and specifications. The HD4000 incorporates advanced data conferencing capabilities, allowing you to turn any videoconference into a fully interactive workgroup meeting with the click of a button. When embedded in a high-performance PC the HD4000 can become an integral part of a training room, conference room or classroom. The HD4000 is part of VCON's total rich media conferencing solution, enabling seamless communication and collaboration using all forms of interactive media.

- Provides TV-like video quality using advanced video standards
- Advanced data sharing capabilities with multiple user options
- Native 16:9 wide screen display support
- Web-based manager makes the HD4000 easy to control and administer
- HD DualStream™ allows users to send data and video simultaneously
- VCON Media Xchange Manager™ (MXM) management and administration agent
- VCON PacketAssist™ architecture for advanced Quality of Service (QoS) over IP

### Multi-Purpose Solution

In addition to providing value as an advanced videoconferencing solution, the HD4000 can also be used as a high-performance multimedia workstation. In a small conference room with a single monitor, or a large training room with dual plasma displays, the HD4000 can be accessed to perform multiple functions. The HD4000 can be used during a meeting or training session to display presentations or VCR/DVD videos. When the HD4000 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 HD4000 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

As a software product, the HD4000 provides flexibility for customers who want to use their own hardware, but are also looking for a complete videoconferencing application for their conference rooms, classrooms or training rooms. Customers can combine the HD4000 with their own PC, speakers, displays, podiums, carts and cameras. With an easy-to-use interface, the HD4000 allows people to connect with the click of a single button. During a videoconference, the HD4000 application allows customers to access documents and applications located on the local PC or the network, the Internet, and movie/audio clips.



*VCON's HD4000 allows organizations to create workgroup conferencing systems that add multiple dimensions of communication to any boardroom, classroom or workgroup setting.*

## HD4000

### What's in the box?

- VCON HD4000 software CD
- Installation and setup guide
- USB dongle (for software authentication)

### Minimum PC requirements:

- Pentium IV-based PC
- 3.06GHz (or higher) 800MHz BUS Hyper-Thread CPU
- 512MB 400MHz RAM
- Windows XP Professional
- ATI All-in-Wonder 9800 Pro or SE
- Creative SoundBlaster Live 5.1 (recommended)

### Specifications

#### Video Specifications

##### Transmission speed

H.323: 64Kbps - 4Mbps

##### Video Standards

H.261, H.263  
H.264 (up to 1M)

##### Live Video Resolution

CIF (352 x 288 pixels)  
QCIF (176 x 144 pixels)

##### Video Frame Rate

15 frames/sec: 64Kbps - 256Kbps  
30 frames/sec: 320Kbps and higher

##### Video Features

Unlimited number of video devices supported

##### HD DualStream™

1 live video source+ 1 data source

##### HD Simulcast™

Integrated Broadcast Viewer  
Chair or Participate in any VCON  
Interactive Multicast session  
Uses bandwidth-efficient IP multicast

##### Video Display Aspect Ratios

Native 4:3  
Native 16:9 (XGA)

#### Audio Specifications

##### Audio Standards

G.711, G.722, G.723.1, G.728

##### Audio Features

Full duplex echo cancellation  
Automatic noise suppression  
Audio tuning wizard  
Unlimited number of audio devices supported

#### Data Specifications

##### HD DualStream™

Sending and receiving capability  
1 live video source + 1 data source  
Resolutions Supported:  
XGA, SVGA, VGA, CIF, QVGA, QCIF

#### Networking Specifications

##### Standards Supported

ITU-T: H.323 v4  
Annex Q (FECC for H.323)

##### H.323 QoS Features

DiffServ  
IP Precedence  
Firewall port sync  
NAT IP address mask  
Port pinholing  
Adaptive Bandwidth Adjustment  
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

##### Encryption

DES, 3DES and AES support  
AES is NIST validated  
Requires the VCON Advanced Encryption Server

#### Control

International remote control (optional)  
Wireless keyboard (optional)  
Embedded web-based control

#### Directory Services

1000+ local number directory  
10,000+ global number directory  
LDAP online directory
 

- Microsoft ILS, SiteServer, Active Directory and Exchange
- Sun iPlanet
- Netscape Directory

#### Language Support

English, French, Italian, German, Spanish (2), Portuguese, Chinese, Japanese

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