

# VCON

## HD5000



### Models

- HD5000
- HD5500

### Additional Features

- International Languages
- Multiple audio and video sources
- Dual monitor support
- Several on-screen configuration options
- Six dialing modes
- PIP and Swap-PIP

### Optional Accessories

- ISDN 384Kbps connectivity
- Tabletop pod
- 3-speaker system
- 802.11 b/g wireless NIC
- Multiple monitor options
- Single rollabout cart
- Dual rollabout cart
- Wide screen display cart
- VoiceFinder™ - voice tracking camera
- Document camera

### Tabletop Pod includes

- VGA input for laptop connection
- USB port
- Microphone connector

### 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

### High definition multimedia conferencing system

The HD5000 is VCON's newest workgroup conferencing system that 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 HD5000 brings users face-to-face with the people and organizations they need to be in touch with. The HD5000 incorporates advanced data conferencing capabilities, allowing you to turn any videoconference into a fully interactive workgroup meeting with the click of a button. As a multimedia workstation, your HD5000 investment can be utilized throughout the working day, even when it's not in a videoconference. The HD5000 is part of VCON's total rich media conferencing solution, which enables 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 HD5000 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 system, the HD5000 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 HD5000 can be accessed to perform multiple functions. The HD5000 can be used during a meeting or training session to display presentations or VCR/DVD videos. When the HD5000 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 HD5000 can be used to join a web data conference or instant messaging session; regardless of whether or not the system is in a videoconference.

### Advanced Data Conferencing

The HD5000 incorporates advanced data conferencing capabilities, allowing users to share or receive files or presentations during a videoconference. There are many ways users can share information with a remote site. The HD5000 allows you to connect your laptop for data sharing, share files located on the network or the PC, or to connect a VCR/DVD to play movies or training videos during a videoconference. With the HD5000 you can be confident that your meetings will run smoothly and your message will get received.



*From boardrooms to classrooms, the HD5000 is a multimedia conferencing system that is versatile, robust and easy to use*

## HD5000

### What's in the box?

- Multimedia videoconferencing system
- Windows XP Professional
- Pan-Tilt-Zoom (PTZ) camera
- Wireless keyboard
- International remote control
- Tabletop microphone
- VCON HD5000 software
- Installation and setup guide
- System cables

### HD5000 also includes:

- Tabletop pod (data sharing, USB port, microphone connector)
- ISDN 384Kbps capability
- 3-speaker system with subwoofer

### Specifications

#### Video Specifications

**Transmission speed**  
 H.323: 64Kbps – 4Mbps  
 H.320: 64Kbps – 384Kbps

#### Video Standards

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

#### Video Inputs

(1) Composite  
 (1) S-Video  
 (6) USB/USB2

#### Video Outputs

(1) S-video  
 (1) Composite  
 (1) Digital Video Interface (DVI)  
 (1) XGA  
 (1) YPbPr

#### 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

#### 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

#### Audio Inputs

(1) Mic-level (stereo jack)  
 (1) Line-level (RCA)  
 MP3 audio files, including mixing

#### Audio Outputs

(1) RCA

#### Data Specifications

##### XGA Data Sharing

XGA (1024 x 768)  
 Internal (use internal PC)  
 External (via Tabletop pod)  
 Videoclip playback  
 Picture sharing

#### Resolutions support - all methods

IP: XGA, SVGA, VGA, CIF, QVGA  
 ISDN: CIF

#### Laptop Plug-in auto detection

16/24/32 bit color support  
 640x480 (72Hz-85Hz)  
 800x600 (60Hz-85Hz)  
 1024x768 (70Hz-85Hz)  
 1152x864 (75Hz)  
 1280x960 (60Hz,85Hz)  
 1280x1024 (60Hz-85Hz)  
 1600x1200 (60Hz-85Hz)

#### Networking Specifications

##### Standards Supported

ITU-T: H.320, H.323 v4  
 Annex Q (FEC for H.323)  
 H.281 (FEC for H.320)

#### 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

#### Peripheral Specifications

##### Pan-Tilt-Zoom Camera Unit

Picture - 1/4-color CCD  
 Focal length - 3.1mm to 31mm  
 Pan-Tilt range - +/-100° Pan, +/-25° Tilt  
 Zoom range - 10x(optical), 40x(digital)  
 Horizontal resolution  
 460 TVL (PAL)  
 470 TVL (NTSC)

#### Monitors Configurations

Single VGA (or TV)  
 VGA + TV  
 Single 16:9 (Digital or s-video)  
 Dual 16:9 (Digital + s-video)

#### Cart and Monitor options

Multiple monitor options  
 Single rollabout cart  
 Dual rollabout cart  
 Wide screen display cart

#### Other Specifications

##### System Specifications

Pentium IV processor  
 800Mhz bus  
 Windows XP Professional  
 512MB DDR memory (400Mhz)  
 40 GB hard disk  
 DVD drive  
 Gigabit Ethernet NIC

#### 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  
 Wireless keyboard  
 Embedded web-based control

#### Directory Services

1000+ local number directory  
 10,000+ global number directory  
 LDAP online directory  
 - Microsoft IIS, SiteServer, Active Directory and Exchange  
 - Sun iPlanet  
 - Netscape Directory

#### Environmental

0 - 40°C temperature  
 15 - 80% humidity

#### Electrical

Universal power supply  
 Operating voltage:  
 120V or 230V  
 Operating frequency:  
 50 Hz or 60 Hz

#### Language Support

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

**North America**  
 (613) 592 2122  
 1 800 648 3579

**Europe, Middle-East & Africa**  
 Sales: 0870 9093030  
 Int: +44 (0) 1291 430 000

**Latin America**  
 (613) 592 2122  
 1 800 648 3579

**Asia-Pacific**  
 Tel: +852 2508 9780  
 Fax: +852 2508 9232

[www.mitel.com](http://www.mitel.com)



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