



HD5000

High definition multimedia conferencing system

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

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
- Incorporates HD Simulcast™ technology for advanced streaming capabilities
- 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

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 (FECC for H.323)
- H.281 (FECC 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 ILS, 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

* IP mode only