VCON

HD5000

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. 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

– H.264 video support up to 4Mbps

– Native 16:9 wide screen display support

– CD-quality audio using 20KHz ultra-wide band audio

– Web-based management makes the HD5000 easy to control and administer

– Incorporates H.239, HD DualStream™ for simultaneously sending and receiving video + data streams

– Supports encrypted conferences using the H.235 encryption standard

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. For security reasons, the HD5000 can be "locked," preventing users from accessing the registry files, installing applications or performing updates, thus assuring that the administrator maintains full control of the organization's videoconferencing system.

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.

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

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What's in the box?

– Multimedia videoconferencing system
– VCON HD5000 system image DVD
– Pan-Tilt-Zoom (PTZ) camera
– Wireless keyboard

– International remote control
– Tabletop microphone
– Documentation and cables

Specifications

Video Specifications

Transmission speed
H.323: 64Kbps – 4Mbps

Video Standards
H.261, H.263, H.263+/++,
H.264 (up to 4M)

Video Inputs
(1) Composite and S-video
(6) USB/USB2

Video Outputs
(1) each: S-video, Composite, Digital
Video Interface (DVI), XGA, YPbPr

Live Video Resolution
Interlaced CIF (352 x 576 pixels)
CIF (352 x 288 pixels)
QCIF (176 x 144 pixels)
QVGA (320 x 240 pixels)

Video Frame Rate
Up to 10 frames/sec: 64Kbps
Up to 15 frames/sec: 96Kbps to 192Kbps
Up to 30 frames/sec: 256Kbps and
    higher
Up to 60 fields/sec: 1Mbps and higher

VIdeo Display Aspect Ratios
Native 4:3
Native 16:9 (XGA)

HD Simulcast™
Chair or Participate in any VCON
    Interactive Multicast session
Integrated Broadcast Viewer
Broadcast viewer through web application
Uses bandwidth-efficient IP multicast

Audio Specifications

Audio Standards
20KHz: AAC
7KHz: G.722, G.722.1
3.4KHz: G.711, G.723.1, G.728, G.729

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

Audio Inputs
(1) Mic-level (stereo jack)
(1) Line-level (RCA)

Audio Outputs
(1) RCA

Data Specifications

Data Sharing Methods
External
    Laptop plug in (via Tabletop Pod)
    USB storage key

Internal
    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.)

HD DualStream™
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

Laptop Plug-in auto detection
16/24/32 bit color support
640x480 through 1600x1200

Networking Specifications

Standards Supported
ITU-T: H.323 v4.2
Annex Q (FECC)

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

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, dual and wide-screen carts

Other Specifications

System Specifications
Pentium IV processor
800Mhz bus
Windows XP Professional
512MB DDR memory (400Mhz)
DVD drive
Gigabit Ethernet NIC

Dialing Modes
Manual
Speed dial
Personal address book
Online directory
Multicast chair
Broadcast Viewer

Security
Encryption using H.235 (AES)
Using VCON SecureConnect
    DES, 3DES and AES support
    AES is NIST validated
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, Active
       Directory and Exchange
    – Sun iPlanet
    – Netscape Directory
Search and filter queries

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,
Japanese