

vPoint HD

A high-quality software-based videoconferencing system

Additional Features

- Multiple audio and video sources
- Audio tuning wizard
- Online directory searching
- Still image capture
- Personal address book
- Speed dial directory
- Conference status monitor
- Customizable short-cut tray
- Multiple language options

Key MXM Features

- Call forward
- Call transfer
- Call pickup
- Ad-hoc conferencing
- Offline mode
- Online directory
- User mobility
- Remote configuration
- Remote call initiation
- Remote software upgrade

VCON Recommended USB Cameras

- Logitech QuickCam Pro 4000
- Logitech QuickCam Orbit/Sphere
- Creative WebCam PRO eX
- Logitech QuickCam Pro 3000

vPoint HD is VCON's latest software client for personal conferencing. vPoint HD not only encompasses the highest quality audio and video on the market today, but also includes features and functionality that move it beyond a desktop videoconferencing application. vPoint HD includes streaming capability, with VCON's HD Simulcast™, that allows vPoint HD to chair or participate in corporate broadcasts. Additionally, vPoint HD includes VCON HD DualStream, with the ability to view a data and video stream simultaneously. When coupled with SecureConnect, vPoint HD has advanced encryption capabilities, including DES and 3DES support. vPoint HD also includes the ability to send video emails as well as record and playback local videos, all through a built-in application called vMail. vPoint HD is versatile and a key application for any PC or laptop user.

- Low-cost, high-quality IP videoconferencing
- Highest quality video available using H.264 standard
- Multiple viewing modes from mini-mode to full-screen
- Remote software upgrades from network administrator guarantee uniformity across the organization (with MXM)
- Incorporates HD DualStream™ for simultaneously viewing video and data streams
- VCON PacketAssist™ architecture for advanced Quality of Service (QoS) over IP
- Local video recording, playback and video e-mail transmission using vMail™ support

Highest Quality Audio and Video

vPoint HD has the highest video quality of any software-based personal videoconferencing application on the market today. Using the latest video standard, H.264, vPoint HD transmits and receives video quality similar to high-end group videoconferencing systems. With data rates from 64Kbps to 1.5Mbps, users can participate in videoconferences at various rates, depending on the available bandwidth.

vPoint HD's audio features include full duplex echo cancellation, automatic noise suppression and wide-band audio, all combining to deliver clear audio to the desktop. Additionally, vPoint HD includes audio device discovery and an audio tuning wizard, making it easy to install and operate, no matter which audio devices the user chooses.

The MXM Difference

When deployed in conjunction with vPoint HD, the MXM provides the advanced technology needed for high-quality videoconferencing throughout the organization. Now, with the click of a button, users can "invite" a 3rd party into their conference and everyone will automatically be placed into a multipoint conference bridge. Other video telephony features, such as video call transfer and video call forward are also a part of vPoint HD. Additionally, from the MXM console, the network administrator can remotely upgrade all vPoint HD endpoints, as well as manage those endpoints on a day-to-day basis.



VCON's vPoint HD adds the crucial visual dimension to remote business interactions.

vPoint HD

Minimum PC Requirements

- Pentium III 1Ghz PC
- H.264 requires HyperThread-based CPU or 1.2GHz Centrino CPU
- Windows 2000, XP
- 25MB available disk space
- 64MB memory for Windows 2000
- 128MB memory for Windows XP
- Direct Draw support (2MB VRAM)
- 2 available USB Ports (for video device and USB protection key)

What's in the Box? (vPoint HD stand-alone kits)

- vPoint HD Professional:
- vPoint HD software installation CD
 - USB camera + installation CD
 - Headset
 - Getting started guide
 - USB software protection key
- vPoint HD Standard:
- vPoint HD software installation CD
 - Getting started guide
 - USB software protection key

Specifications

Video Specifications

Transmission Speed
H.323: 64Kbps - 1.5Mbps

Video Standards

H.261, H.263
H.264 - up to 256K Outgoing,
up to 1M Incoming

Live Video Resolution

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

Video Frame Rate

Up to 15 frames/sec: 64Kbps - 128Kbps
Up to 20 frames/sec: 192Kbps
Up to 30 frames/sec: 256Kbps and higher

Video Features

Video device discovery
Unlimited number of video devices supported

HD Simulcast™

Integrated Broadcast Viewer
Chair or Participate in any VCON
Interactive Multicast session

Audio Specifications

Audio Standards
G.711, G.722, G.723.1, G.728

Audio Features

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

Data Specifications

HD DualStream™ viewing
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

Viewing Modes

Mini screen
Regular screen
Large screen
Full screen

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

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
Filtered queries

Language Support

English, French, German, Italian, Spanish
(Spain and Latin), Portuguese (Brazil),
Chinese and Japanese

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



M MITEL (design) is a registered trademark of Mitel Networks Corporation. All other products and services are the registered trademarks of their respective holders.

© Copyright 2004, Mitel Networks Corporation. All Rights Reserved.

GD 7194 PN 51007710RA-EN