



vPoint HD is VCON's latest software-only client for personal conferencing



Video Conferencing with vPoint HD

- High definition video and audio quality videoconferencing
- Supports ISDN networking up to 4 BRI lines
- Multiple viewing modes from mini-mode to full-screen
- Incorporates H.239, HD DualStream™ for simultaneously sending and receiving video + data streams
- Supports encrypted conferences using the H.235 encryption standard
- VCON PacketAssist™ architecture for advanced Quality of Service (QoS) over IP
- Fully compatible with Windows 7 and older versions
- H.460.18/19 Firewall/NAT traversal support
- Recording & Streaming
- SIP, H323, H320

vPoint HD offers high definition audio and video up to 720p and 1080p*, and includes features and functionality that extend far beyond the capabilities of a desktop videoconferencing application. vPoint HD offers multiple media transmitting capabilities for video, audio and data. Among vPoint HD's advanced capabilities is the ability to send and receive video and data streams simultaneously, using VCON's DualStream™ technology. Additional streaming capability, using VCON's Simulcast™, allows vPoint HD to chair or participate in corporate broadcasts.

vPoint HD is a versatile, key application for any PC or laptop user, in organizations of any size. It is available in three different models: Basic, Professional and Executive, to suit varying corporate requirements. A special TV Broadcaster model is also available.

This newly released version also includes recording and streaming capabilities, as well as the ability to connect across firewalls and NAT, compliant with H.460.18/19 Firewall/NAT traversal protocols.

High Definition Video and Audio

Using the latest H.264 video standard, vPoint HD sends and receives high definition quality video. Users can participate in videoconferences at data rates ranging from 64 Kbps to 4 Mbps, depending on the available bandwidth. The superb high definition image quality provided by 4CIF and 720p technology enables the sharpest images in natural color and full motion, even with a simple webcam.

vPoint HD's audio features include full duplex echo cancellation, automatic noise suppression and wide-band audio in low bit-rate calls, all combined to deliver crisp audio to the desktop.

Superior Collaboration Environment

vPoint HD allows users to share data from their desktop with the remote side. Various forms of sharing are possible such as desktop, file, window and region sharing, utilizing a detachable data window. When deployed in conjunction with VCON's Media Xchange Manager®, (MXM), users can invite a 3rd party into their conference, and everyone will be placed automatically into a multipoint conference bridge. Other video telephony features, such as video call transfer and video call forward are also possible when an MXM server is used.

Corporate Ready

Using the MXM Administrator program, the network administrator can remotely upgrade all vPoint HD endpoints, as well as manage those endpoints on a day-to-day basis. vPoint HD includes video and audio device discovery as well as an audio tuning wizard, making it easy to install and operate, no matter which cameras and audio the user chooses.



High-Definition Desktop Videoconferencing

Mumbai (HO): Enkay House,

Bhima Vaitarna Complex,
Sir Pochkhanawala Road,
Worli Mumbai - 400 030.
Tel: 91-22-6626 2222,
Fax: 2494 2127.
E-mail: ho@enkayindia.com

New Delhi:

A-10, 1st & 3rd Floors,
Alankar Cinema Road,
Lajpat Nagar-II, New Delhi - 110 024.
Tel: 91-11-2980 7900, 2983 8241.
Fax: 91-11-2980 7930.
E-mail: delhi@enkayindia.com

Bengaluru:

1005-A Wing, Mittal Tower,
M. G. Road, Bengaluru - 560 001
Tel: 91-80-2558 2442, 2558 2443.
Fax: 91-80-4123 2226.
E-mail: bengaluru@enkayindia.com

Chennai:

3rd Floor, TCR Niveras Plaza,
205, Poonamallee High Road,
Chennai - 600 029
Tel: 91-44-2668 1020.
Fax: 91-44-2668 1030.
E-mail: chennai@enkayindia.com

Hyderabad:

8-2-594/1/A, Banjara Hills,
Road No. 1, Opp. Hotel Taj Krishna,
Hyderabad - 500 034
Tel: 91-40-6559 4526, 6559 4527.
Fax 91-40-2335 1485.
E-mail: hyderabad@enkayindia.com

Pune:

Enkay House,
2/17 Goodwill Enclave,
Road No. 9, Kalyani Nagar,
Pune- 411 006
Tel: 91-20-4017 3888.
Fax: 91-20-4004 4455.
E-mail: pune@enkayindia.com

Ahmedabad:

23, Raj Ratna Complex,
Navrangpura, Opp. Municipal School,
Ahmedabad - 380 009
Tel: 91-79-2644 1491.
Fax: 91-79-2644 1493.
E-mail: ahmedabad@enkayindia.com

Kolkata :

38 A, Ekalavya, 3rd Floor,
Satish Mukherjee Road, Kolkata - 700 026
Tel: 91-33-24669704, 32981747
Fax: 91-33-24669703
E-mail: kolkata@enkayindia.com

Minimum PC Requirements

- Pentium IV 2.4 Ghz PC
H.264 4CIF and above requires Core 2 Duo or Dual Core 3Ghz or faster CPU, or AMD equal to, or faster than Athlon 64x2 Dual
- 256MB 400 MHz RAM
- 25 MB available disk space
Windows 7, Windows XP, Vista
- Graphic display that supports DirectX 9.0
- Two available USB Ports (one for video device and one for a USB protection key if used).

Specifications

Video Specifications

Transmission Speed
H.323: 64 Kbps - 4Mbps
SIP: 64 Kbps - 4Mbps
ISDN 64 Kbps - 512 Kbps (4BRI)

SIP protocols

RFC 3261 2396, 2543, 2617, 2822,
2833, 2976, 3264, 3960, 5168, 3262,
3550, 3984, 4961
Secure Authentication: MD5

Video Standards

H.261, H.263, H.263+/++
H.264 - up to 2Mbps outgoing

HD Video Resolution

1080p (1920 x 1080 pixels) incoming
720p (1280 x 720 pixels)

Other Video Resolution

4CIF (704 x 576 pixels)
4SIF (704 x 480 pixels)
VGA (640 x 480 pixels)
Interlaced CIF (352 x 576 pixels)
CIF (352 x 288 pixels)
SIF (352 x 240 pixels)
QVGA (320 x 240 pixels)
QCIF (176 x 144 pixels)

Video Frame Rate

Up to 15 fps: 64 - 128 Kbps
Up to 20 fps: 192 Kbps
Up to 30 fps: 256 Kbps +

Video Features

Video device discovery Automatic
NTSC/PAL detection Unlimited
number of video devices supported
HD Simulcast™
Chair or Participant in any Interactive
Multicast session
Integrated Broadcast Viewer
Uses bandwidth-efficient IP multicast

Audio Specifications

Full duplex echo cancellation
Automatic noise suppression (ANS)
Automatic gain control (AGC)
Audio device discovery
Audio tuning wizard
Unlimited number of audio devices
supported
Headset and speaker profiles
Voice Activity Detection (VAD)

Audio Standards

AAC-LD - 20KHz
G.722.1-Annex C - 14KHz
G.722, G.722.1 - 7KHz,
G.711, G.723.1, G.728, G.729 - 3.4 KHz

Data Specifications

HD DualStream™
File, region, and window sharing -
(Detachable data view)
Windows desktop sharing
H.239 support in both live video and
multicast
Tandberg DuoVideo support
Sending and receiving capability
1 live video source + 1 data source
Resolutions supported:
XGA, SVGA, 4CIF, VGA, CIF, QVGA

Networking Specifications

Standards Supported
ITU-T: H.323 v5.5
H.281 Annex Q (FECC)
H.460 17, 18, 19 (FW traversal)
ISDN: H.320, H.221, H.242, H.230

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

Recording/Streaming

WMV format
Low - CIF resolution
HIGH - 4CIF resolution
Only in executive version

Viewing Modes

Mini screen
Regular screen
Large screen
Full screen
Support for 16:9 aspect ratio in wide
screen

Dialing Modes

Manual
Speed dial
Personal address book
Online directory
Multicast chair
Broadcast viewer

Security

Encryption using H.235 (AES)

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

Language Support

English, French, German, Italian,
Spanish, Chinese, Polish, Turkish,
Norwegian, Korean, Russian, Indonesian

