



VidyoRoom™ HD-50



VidyoRoom HD-50 makes room-based video conferencing affordable while delivering superior performance to traditional alternatives.

VidyoRoom HD-50 Benefits:

- Easy to deploy and use
- Stunning HD quality without noticeable delay
- Works over general purpose IP networks
- Integrates seamlessly with VidyoDesktop and with legacy room systems via VidyoGateway
- Consumes no VidyoLine licenses – economical deployment and connectivity to other users

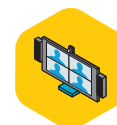
The perfect solution for small conference rooms or personal desktop deployments, the VidyoRoom HD-50 lowers the entry price for an HD video conferencing room system while delivering telepresence quality using Vidyo's patented technology. No more lost time in making complicated connections or waiting for IT support to start the conference! The VidyoRoom HD-50's intuitive user interface makes starting a conference as easy as pressing a button. Once that button is pressed, you and your conference participants will enjoy the natural, same-room feel and interactivity made possible by crisp, 720p 30 FPS video with imperceptible latency. In addition to displaying data and video on separate screens, you'll be able to choose between active speaker and continuous presence layouts, independently of all other participants, via a click of a button. Since a VidyoRoom does not consume a VidyoLine™ license, the cost of deploying the VidyoRoom HD-50 as part of a VidyoConferencing™ solution is limited to the room system itself. And more significant than the equipment cost savings – including a low-cost off the shelf USB HD camera – is that your operating budget will get some welcomed relief since the VidyoRoom HD-50 is designed to work over converged IP networks and the Internet – no QoS required.

Welcome to the way telepresence was meant to be. The VidyoRoom HD-50 is affordable, simple to use, easy to configure and delivers amazing performance thanks to the VidyoRouter™ architecture. Like all VidyoRoom products, the VidyoRoom HD-50 interoperates seamlessly with VidyoDesktop™ clients, and with legacy H.264-based H.323 and SIP endpoints via the VidyoGateway™, making it possible to connect with anyone, anywhere using equipment they already have.

Features and Functions:

Video Performance

- PSTN-like glass to glass multi-point latency (not perceptible in call)
- Built-in network error concealment – optimal performance without QoS



User Interface

- Intuitive Graphical User Interface – consistent with the VidyoDesk top client - makes operating the VidyoRoom simple and straightforward
- Call initiation and entry into Private Meeting Room achieved with only one click
- IR remote and keyboard/mouse control options
- Multi-tap text entry when using remote control keypad
- On-screen keyboard for convenient directory searches
- Dial pad for DTMF signaling (to support calls to legacy and voice endpoints)
- XML API for 3rd party control system integration (Crestron, AMX)
- Full and automatic integration with the VidyoPortal™ user's database. No need to maintain a local address book
- Self explanatory presence icons establish status of another user on the system
- Pop-up icon indicates that there is no available video capture device





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- Call setup actions are context aware and based upon status of selected contacts
- Web-based configuration settings
- Auto-select or manually select number of participants viewed
- Local preview toggle

Data Sharing

- Participants can toggle between other users' shared windows (everyone can share concurrently)
- Laptop screen sharing through the optional VGA input device

Audio Controls

- Speakers volume adjustment and mute/unmute
- Microphone gain adjustment and mute/unmute

Camera Control

- Video privacy mode
- Local camera pan and tilt via remote control
- Advanced Far-End-Camera-Control during a conference

Security & Network

- Media Encryption: Optional 128bit AES
- Signal Encryption: Optional HTTPS
- Built-in NAT and Firewall Traversal

Administration & Maintenance

- Web-based administration for remote access and configuration
- Automatic software updates, downloadable from VidyoPortal
- Conference moderation via VidyoPortal



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VidyoRoom HD-50 Specifications:

APPLICATION SPECIFICATIONS

VIDEO STANDARDS

H.264 SVC
H.264 AVC, H.263+ via the VidyoGateway

VIDEO PERFORMANCE

Transmit resolution & frame rate at minimum bit rate

HD 720p @ 30 fps @ 768Kbps min.
540p @ 30 fps @ 512Kbps min.
450p @ 30 fps @ 512Kbps min.
360p @ 30 fps @ 512 Kbps min.

Receive resolution & frame rate at minimum bit rate

HD 1080p @ 30 fps @ 2Mbps min.
HD 720p @ 30 fps @ 1Mbps min.

Data sharing video resolution

Up to WXGA (fitted to screen resolution)

MAXIMUM DATA RATE

2 Mbps

AUDIO STANDARDS

SPEEX Wideband 32KHz (16KHz audio)
G.711 (A-, μ -Law), G.722, via VidyoGateway

LANGUAGE SUPPORT

English
Spanish
French
German
Italian
Portuguese
Japanese
Simplified Chinese
Korean

DISPLAY

Single-screen modes

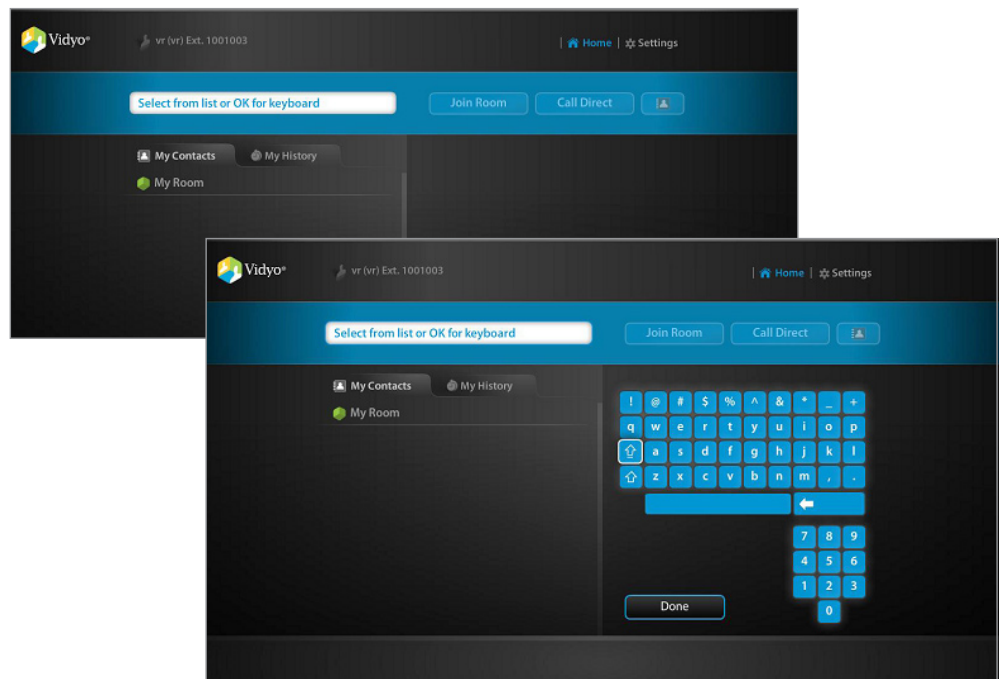
Participants' video is spread evenly on the screen
Preferred larger voice-activated speaker
(N+1 layout where N=up to 8 participants + 1 self view)

Dual-screen mode

Data full screen on second screen

Aspect ratio

Full-screen, 16:9 aspect ratio



Easy to use and intuitive graphical user interface



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VidyoRoom HD-50 Specifications:

PHYSICAL SPECIFICATIONS

FORM FACTOR

Stand-alone Freestanding Chassis

DIMENSIONS

Height 13" (330mm)
Width 3.5" (89mm)
Depth 12.75" (324mm)
Gross Weight 4.6 lbs (2.1kg)

PHYSICAL INTERFACES

Camera In

1 x USB

Video Out

1 x HDMI
1 x VGA (for content)

Audio In

1 x 3.5mm Stereo Jack

Audio Out

1 x 3.5mm Stereo Jack

USB-2

5 (1 front, 4 rear)

Network

1 x Gigabit Ethernet – Supports
10BASE-T, 100BASE-TX, and
1000BASE-T, RJ45 outputs

POWER SUPPLY

Auto-switching 300W AC to DC power
supply w/ PFC 100 - 240V, 50 - 60Hz,
4 - 2Amp

OPERATING ENVIRONMENT

Operating Temperature Range

10° to 35° C (50° to 95° F)

Non-Operating Temperature

-40° to 70° C (-40° to 158° F)

Humidity Range

8% - 90% (non-condensing)

Non-Operating Humidity Range

5% - 95% (non-condensing)

REGULATORY

EMI/EMC: EN55022, EN55024, FCC, VCCI,
Australian/New Zealand, MIC (Korea)
Safety: USA – TUV certified, Canada – TUV certified,
Europe/CE Mark EN 60950/IEC 60950-Compliant
China: CCC Certification
Environmental: RoHS compliant

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