



# VidyoRoom™ HD-100



*VidyoRoom HD-100 delivers outstanding performance for a fraction of the cost of traditional room systems.*

## VidyoRoom HD-100 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

You could pay more for lesser performing HD room systems on legacy infrastructure, but why would you? The VidyoRoom HD-100 delivers value and performance. No more lost time in making complicated connections or waiting for IT support to start the conference! The VidyoRoom HD-100'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 VidyoLine™ licenses, the cost of deploying the VidyoRoom HD-100 as part of a VidyoConferencing™ solution is limited to the room system itself. And more significant than the equipment cost savings, your operating budget will get some welcomed relief since the VidyoRoom HD-100 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-100 is affordable, simple to use, easy to configure and delivers amazing performance thanks to the VidyoRouter™ architecture. Like all VidyoRoom products, the VidyoRoom HD-100 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 VidyoDesktop 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 the remote control keyboard
- 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





## The VidyoRoom

HD-100's intuitive user

interface makes starting

a conference as easy

as pressing a button.

# VidyoRoom™ HD-100

- 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, tilt, zoom 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



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.

## VidyoRoom HD-100 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 @ 1Mbps min.  
540p @ 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-,  $\mu$ -Law), G.722, via VidyoGateway

### LANGUAGE SUPPORT

English  
French  
German  
Italian  
Japanese  
Korean  
Portuguese  
Simplified Chinese  
Spanish

### DISPLAY

#### Single-screen modes

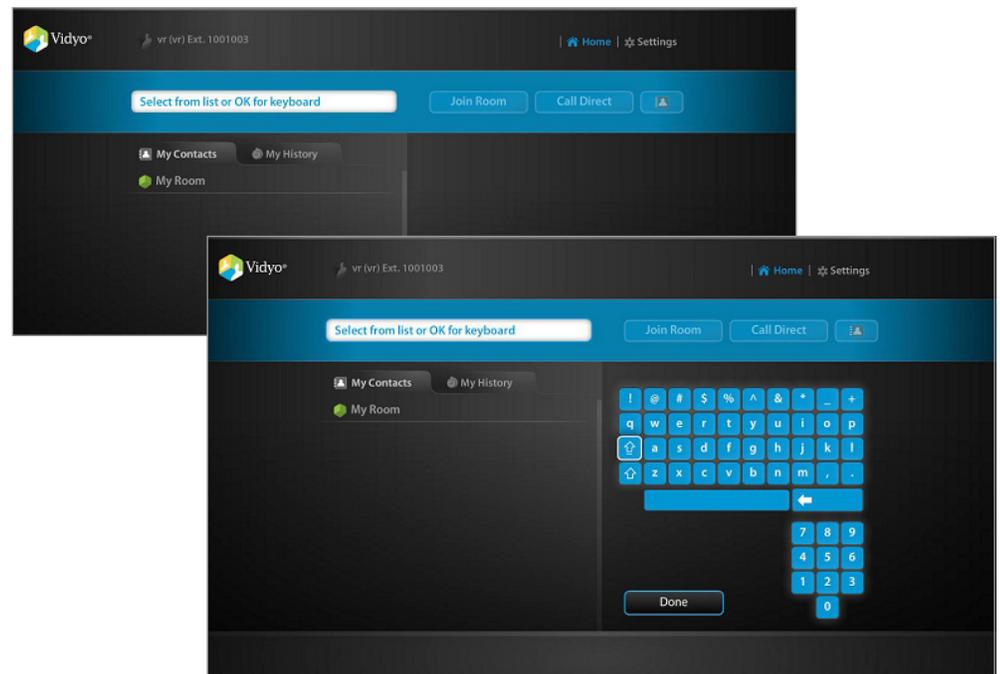
Participants' video is spread evenly on the screen  
Preferred larger voice-activated speaker  
(N+1 layout where N=up to 8 participants + 1 self view)

#### 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-100 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 HDMI

##### Camera Control

1 x RS-232 (through supplied USB adapter)

##### 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

#### Vidyo, Inc.

433 Hackensack Ave  
Hackensack, NJ 07601  
Phone: +1.201.289.8597  
Toll-free: +1.866.998.4396  
Fax: +1.201.490.5340  
www.vidyo.com

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