

# VidyoRoom™ HD-50 and HD-100

## Compact HD Video Conferencing Room Systems



VidyoRoom™ systems deliver an incredible telepresence experience over everyday networks with off-the-shelf camera and audio components. The compact HD-50 and HD-100 models work seamlessly with VidyoMobile™ and VidyoDesktop™ apps, as well as other VidyoRoom™ and VidyoPanorama™ systems. Connectivity with existing H.323 and SIP based endpoints is made easy using VidyoGateway™, or the free VidyoWay™ interconnectivity service for B2B video conferencing.

## Key Features

### Exceptional Video Performance

- Transmit up to 720p30, receive up to 1080p30
- Display people and content on a single screen, or connect a second screen to display shared content
- Multipoint video conferencing with imperceptible latency
- Display up to 16 participants in continuous presence
- Multiple active speaker and continuous presence layouts accommodate large and small conferences
- Network error concealment for optimal performance without QoS enhanced networks
- Multipoint, HD, and dual-screen capabilities included for no additional charge

### Intuitive User Interface

- Global address book of users and rooms with presence and speed dials
- Simple software and hardware remote control options
- On-screen keyboard for directory searches

### Security & Network Features

- Optional media and signaling encryption
- Auto-answer option disabled by default

### Data Sharing

- Flexible data sharing layouts for both single- and dual-screen deployments
- Multipoint Content Sharing: toggle to switch between shares from multiple participants
- Share local content at up to 1080p with optional accessory
- Auto-share when PC content is detected

### Audio and Camera Controls

- Adjust speaker volume and mute/unmute
- Adjust mic gain and mute/unmute
- Video privacy mode
- Pan, tilt and zoom via remote control
- Far-end camera control (FECC)

### Administration & Maintenance

- Web-based administration for remote access and configuration
- Automatic software updates, downloadable from VidyoPortal
- Conference moderation via VidyoPortal
- SNMP (MIB II) enabled elements
- Integration modules available for AMX NetLinx and Crestron devices
- Central reporting on utilization and conference details with the free VidyoDashboard™ virtual appliance

# Specifications

## VidyoRoom™ HD-50

## VidyoRoom™ HD-100

<b>Screen Layouts</b>	<b>Screen 1:</b> Multiple layouts for active speaker video, continuous presence video, and shared content <b>Screen 2:</b> Shared content only	<b>Screen 1:</b> Multiple layouts for active speaker video, continuous presence video, and shared content <b>Screen 2:</b> Shared content only
<b>Video Codec</b>	<b>Native:</b> H.264 SVC (UCIF Mode 2s) <b>Via VidyoGateway / VidyoWay:</b> H.263 + H.264	
<b>Audio Codec</b>	<b>Native:</b> SPEEX Wideband Audio, up to 32 Khz sampling rate <b>Via VidyoGateway / VidyoWay:</b> G.711, G.722	
<b>Live Resolutions (Transmitted)</b>	<b>Native:</b> 1080p15 (HD-100 only), 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway / VidyoWay:</b> 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	
<b>Live Resolutions (Received)</b>	<b>Native:</b> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway / VidyoWay:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	
<b>Max Data Rate</b>	<b>Transmit:</b> 2Mbps <b>Receive:</b> 6Mbps	<b>Transmit:</b> 2Mbps <b>Receive:</b> 6Mbps
<b>Content Sharing</b>	<b>Local Sharing:</b> Up to 1920 x 1080 (DVI accessory) or 1600 x 1200 (VGA accessory) <b>Remote Display:</b> Scales shared content from remote participants (up to 2540 x 2048) to screen resolution <b>Multipoint Content Sharing:</b> toggle to switch between shares from multiple remote participants	
<b>Video Outputs</b>	1x DVI for Main Monitor 1x DVI-VGA for Secondary Monitor	1x DVI for Main Monitor 1x DVI-VGA for Secondary Monitor
<b>Camera In</b>	1x USB	1x DVI
<b>Camera Control</b>	1 x USB (FECC with Logitech BCC950 only)	1x RS-232
<b>Audio Inputs/Outputs</b>	1x 3.5mm Stereo Jack; USB	1x 3.5mm Stereo Jack; USB
<b>Signaling Protocols</b>	<b>Native:</b> EMCP, SCIP <b>Via VidyoGateway / VidyoWay:</b> H.323, SIP	
<b>Encryption</b>	<b>Native:</b> AES 128 Bit, TLS, SRTP, HTTPS <b>Via VidyoGateway / VidyoWay:</b> H.235	
<b>Central Management</b>	Configuration, management and software upgrades provided by VidyoPortal™ Reports on conference records and utilization provided by VidyoDashboard™	
<b>Monitoring</b>	SNMP	
<b>Network Interface</b>	1x Gigabit Ethernet. Supports 10 BASE-T, 100 BASE-TX, & 1000 BASE-T, RJ45 outputs	
<b>Languages</b>	English, Chinese (Simplified or Traditional), Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Thai, Turkish	
<b>Power Supply</b>	Auto-switching 150W AC to DC power supply w/ PFC 100~240V (2A, 50-60Hz); DC Output = 12V (12.5A)	
<b>Recommended Camera</b>	Logitech BCC950 Conference Cam Logitech B910/C910 (provides 720p @ 30fps) <i>Preferred</i> Logitech Quickcam Pro 9000 Logitech Orbit/Sphere	Sony EVI-HD7 (with DVI interface) <i>Preferred</i> Minrray VHD910
<b>Recommended Speaker Phone</b>	Phoenix Quattro3 MT304. See <a href="http://www.vidyo.com/support/peripherals/#vidyooroom">www.vidyo.com/support/peripherals/#vidyooroom</a> for additional devices and new recommendations	
<b>Environment</b>	<b>Operating Temperature Range:</b> 10 to 35°C (50 to 95°F) <b>Non-Operating Temperature Range:</b> -40 to 70°C (-40 to 158°F) <b>Operating Humidity Range:</b> 8% to 90% (non-condensing) <b>Non-Operating Humidity Range:</b> 5% to 95% (non-condensing)	
<b>Regulatory</b>	<b>EMI/EMC:</b> EN55022, EN55024, FCC, VCCI, Australia/ New Zealand, MIC (Korea) <b>Safety:</b> UL certified, Canada-SGS/QPS certified, Europe/CE Mark EN 60950/IEC 60950-Compliant, China: CCC Certification (pending) <b>Environmental:</b> RoHS compliant	
<b>Dimensions</b>	<b>Height:</b> 10" (254 mm) <b>Width:</b> 3.54" (90 mm) <b>Depth:</b> 8.75"/9" including metal tab on back (222 mm/230 mm with tab) <b>Gross Weight:</b> 8.0 lbs (3.63 kg)	

