

# VidyoRoom™ HD-110 and HD-220

## Versatile dual-screen room systems



VidyoRoom™ systems deliver an incredible telepresence experience over everyday networks with off-the-shelf camera and audio components. The versatile HD-110 and HD-220 models work seamlessly with VidyoMobile™ and VidyoDesktop™ as well as other VidyoRoom™ and VidyoPanorama™ systems. Connectivity with existing H.323 and SIP based endpoints is made easy using VidyoGateway™, or the VidyoWay™ interconnectivity service for B2B video conferencing.

## Key Features

### Superior Video Performance

- Up to 1080p30 resolution
- 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

### 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

### Data Sharing

- Flexible data sharing layouts for both single- and dual-screen deployments
- Participants can toggle among shared windows (concurrent sharing)
- Laptop screen share via optional VGA input
- 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
- Advanced far-end camera control

### Security & Network Features

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

### 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

# Specifications

	VidyoRoom™ HD-110	VidyoRoom™ HD-220
<b>Screen Layouts</b>	<b>Monitor 1:</b> Active speaker video, continuous presence video, shared data <b>Monitor 2:</b> Shared data	<b>Monitor 1:</b> Active speaker video, continuous presence video, shared data <b>Monitor 2:</b> Active speaker video, continuous presence video, shared data
<b>Video Codec</b>	<b>Native:</b> H.264 SVC <b>Via VidyoGateway:</b> H.263, H.263+, H.264	
<b>Audio Codec</b>	<b>Native:</b> SPEEX Wideband Audio, up to 32 Khz sampling rate <b>Via VidyoGateway:</b> G.711, G.722	
<b>Live Resolutions (Transmitted)</b>	<b>Native:</b> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	
<b>Live Resolutions (Received)</b>	<b>Native:</b> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	
<b>Max Data Rate</b>	<b>Transmit:</b> 4Mbps <b>Receive:</b> 8Mbps	
<b>Content Sharing Resolution</b>	Up to QSXGA 2540 x 2048 (fitted to screen resolution)	
<b>Video Outputs</b>	2x DisplayPort (DisplayPort to DVI converters included)	
<b>Camera In</b>	1x DVI	
<b>Camera Control</b>	1x RS-232	
<b>Audio Inputs/Outputs</b>	1x 3.5mm Stereo Jack; USB	
<b>Signaling Protocols</b>	<b>Native:</b> EMCP, SCIP <b>Via VidyoGateway:</b> H.323, SIP	
<b>Encryption</b>	<b>Native:</b> AES 128bit, TLS, SRTP, HTTPS <b>Via VidyoGateway:</b> H.235	
<b>Centralized Configuration and Management</b>	VidyoRoom Appliances are configured and managed by the VidyoPortal	
<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, French, German, Italian, Japanese, Korean, Portuguese, Simplified or Traditional Chinese, Spanish, Finnish, Thai, Russian	
<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>	Sony EVI-HD7 (provides 1080p @ 30fps) <i>Preferred</i> Minrray VHD910 (provides 1080p @ 30fps)	
<b>Recommended Speaker Phone</b>	Konftel 300; ClearOne Chat 150	
<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> USA: TUV certified, FCC; Canada: TUV certified; Europe/CE Mark, EN 60950/IEC 60950-Compliant; China: CCC Certification <b>Environmental:</b> RoHS compliant	<b>EMI/EMC:</b> EN55022, EN55024, FCC, VCCI, Australia/New Zealand, MIC (Korea) <b>Safety:</b> USA: TUV certified, FCC; Canada: TUV certified; Europe/CE Mark, EN 60950/IEC 60950-Compliant; China: CCC Certification <b>Environmental:</b> RoHS compliant
<b>Dimensions</b>	Height: 14.56" (370mm) Width: 3.44" (87.4mm) Depth: 12.59" (320mm) Gross Weight: 13.0 lbs (5.89kg)	Height: 14.56" (370mm) Width: 3.44" (87.4mm) Depth: 12.59" (320mm) Gross Weight: 13.0 lbs (5.89kg)



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# 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™ as well as other VidyoRoom™ and VidyoPanorama™ systems. Connectivity with existing H.323 and SIP based endpoints is made easy using VidyoGateway™, or the VidyoWay™ interconnectivity service for B2B video conferencing.

## Key Features

### Exceptional Video Performance

- Transmit up to 720p30, receive up to 1080p30
- 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

### 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

### Data Sharing

- Flexible data sharing layouts for both single- and dual-screen deployments
- Participants can toggle among shared windows (concurrent sharing)
- Laptop screen-share via optional VGA input
- 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, zoom via remote control (HD-100 only)
- Advanced far-end camera control

### Security & Network Features

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

### 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

# Specifications

	VidyoRoom™ HD-50	VidyoRoom™ HD-100
<b>Screen Layouts</b>	<b>Monitor 1:</b> Active speaker video, continuous presence video, shared data <b>Monitor 2:</b> Shared data	<b>Monitor 1:</b> Active speaker video, continuous presence video, shared data <b>Monitor 2:</b> Shared data
<b>Video Codec</b>	<b>Native:</b> H.264 SVC <b>Via VidyoGateway:</b> H.263, H.263+, H.264	
<b>Audio Codec</b>	<b>Native:</b> SPEEX Wideband Audio, up to 32 KHz sampling rate <b>Via VidyoGateway:</b> G.711, G.722	
<b>Live Resolutions (Transmitted)</b>	<b>Native:</b> 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway:</b> 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	<b>Native:</b> 1080p15*, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway:</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:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF	<b>Native:</b> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway:</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 Resolution</b>	Up to QSXGA 2540 x 2048 (fitted to screen resolution)	
<b>Video Outputs</b>	2x DisplayPort (DisplayPort to DVI converters included)	1x HDMI for Main Monitor 1x VGA for Secondary Monitor
<b>Camera In</b>	1x USB	1x DVI
<b>Camera Control</b>	n/a	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:</b> H.323, SIP	
<b>Encryption</b>	<b>Native:</b> AES 128 Bit, TLS, SRTP, HTTPS <b>Via VidyoGateway:</b> H.235	
<b>Centralized Configuration and Management</b>	VidyoRoom Appliances are configured and managed by the VidyoPortal	
<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, French, German, Italian, Japanese, Korean, Portuguese, Simplified or Traditional Chinese, Spanish, Finnish, Thai, Russian	
<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 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>	Konftel 300; ClearOne Chat 150	ClearOne Chat 150
<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>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>	Height: 10" (254 mm) Width: 3.54" (90 mm) Depth: 8.75"/9" including metal tab on back (222 mm/230 mm with tab) Gross Weight: 8.0 lbs (3.63 kg)	Height: 10" (254 mm) Width: 3.54" (90 mm) Depth: 8.75"/9" including metal tab on back (222 mm/230 mm with tab) Gross Weight: 8.0 lbs (3.63 kg)

\* Requires VidyoRoom software version 2.2 or higher.



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