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



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