



# VidyoRoom™ HD-230

## High Performance for People and Content



The VidyoRoom HD-230 delivers the high-fidelity experience needed for conferences on larger screens. With the power to transmit and receive 1080p participant video and display either participant video or shared content on a second screen, this versatile group solution delivers the detail required for rich interaction in a multipoint conference. Like every VidyoRoom solution, the HD-230 supports multipoint conferencing, HD encoding and decoding, and dual screens at no extra cost. The HD-230 works with off-the-shelf display, camera, and audio components so you can Vidyo-enable any room to your own specifications.

## Key Features

### VidyoRoom HD-230 Highlights

- Transmit up to 1080p30, receive up to 1080p60
- Enhanced resolutions and frame rates for shared content
- Display up to 16 participants on two screens
- Share content directly, via VidyoDesktop™, or with the VidyoSlate™ tablet app
- Multipoint Content Sharing: toggle to switch between shares from multiple participants

### Outstanding User Experience

- Global address book with presence and speed dial
- Multiple active speaker and continuous presence layouts
- Manage conferences with the hand-held remote control or by touchscreen with the free VidyoRemote™ app for tablets
- Conference with participants on room systems, desktops, laptops, tablets, and smartphones

### Exclusive Vidyo Technology

- Connects through VidyoRouter™ for highly-scalable multipoint performance with imperceptible latency
- Advanced SVC (UCIF Mode 2s) delivers unmatched quality, reliability, and efficiency
- Dynamic adaptation technologies continuously optimize media streams for unmatched fidelity over variable networks and devices
- Interoperate with legacy endpoints via the Vidyo infrastructure or through the free VidyoWay™ interconnectivity service

### Easy to Own & Secure

- VidyoPortal™ provides conference moderation and automatic software updates
- Optional media and signaling encryption
- PIN-protect and lock virtual conference rooms
- Integrates with room automation solutions such as AMX, Crestron, and Extron

# Specifications

VidyoRoom™ HD-230	
Screen Layouts	<b>Screen 1:</b> Multiple layouts for active speaker video, continuous presence video, and shared content <b>Screen 2:</b> Multiple layouts for active speaker video, continuous presence video, and shared content
Video Codec	<b>Native:</b> H.264 SVC (UCIF Mode 2s) <b>Via VidyoGateway / VidyoWay:</b> H.263, H.263+, H.264 AVC
Audio Codec	<b>Native:</b> SPEEX Wideband Audio, up to 32 Khz sampling rate <b>Via VidyoGateway / VidyoWay:</b> G.711, G.722
Live Resolutions (Transmitted)	<b>Native:</b> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway / VidyoWay:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF
Live Resolutions (Received)	<b>Native:</b> 1080p60, 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway / VidyoWay:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF
Max Data Rate	<b>Transmit:</b> 4 Mbps <b>Receive:</b> 8 Mbps
Content Sharing	<b>Content In:</b> Up to 2048 x 1536 via on-board DVI or optional VGA accessory <b>Local Sharing:</b> Up to 1920 x 1080, with local display when not in conference <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
Video Outputs	1x DVI, 1x DisplayPort (1x DisplayPort to DVI adaptor included)
Camera In	1x DVI
Camera Control	1x RS-232
Audio Inputs/Outputs	1x 3.5mm Stereo Jack; USB
Signaling Protocols	<b>Native:</b> EMCP, SCIP <b>Via VidyoGateway / VidyoWay:</b> H.323, SIP
Encryption	<b>Native:</b> AES 128-bit, TLS, SRTP, HTTPS <b>Via VidyoGateway / VidyoWay:</b> H.235
Central Management	Configuration, management and software upgrades provided by VidyoPortal™ Reports on conference records and utilization provided by VidyoDashboard™
Licensing	Includes a dedicated VidyoLine™ license
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, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish)
Power Supply	Internal High Efficiency 255W AC to DC power supply w/ APFC 100~240V (2.3A, 47-63Hz); DC Output = 12V (14A)
Recommended Peripherals	<b>DVI Camera:</b> Sony EVI-HD7 or Minrray VHD-A910 <b>USB Speakerphone:</b> Phoenix Quattro3 MT304 <b>USB Integrated Camera + Speakerphone:</b> Logitech ConferenceCam models CC3000e and BCC950 <i>Also see <a href="http://www.vidyo.com/services-support/technical-support/peripherals">www.vidyo.com/services-support/technical-support/peripherals</a> for additional cameras, speakerphones, and accessories</i>
Environment	<b>Operating Temperature Range:</b> 5 to 35°C (41 to 95°F) <b>Non-Operating Temperature Range:</b> -40 to 65°C (-40 to 149°F) <b>Operating Humidity Range:</b> 20% to 80% (non-condensing)
Regulatory	<b>EMI/EMC:</b> FCC (US), ICES (Canada), EN55022, EN55024 (EU), VCCI (Japan), C-Tick (Australia/New Zealand), KC (Korea), BSMI (Taiwan) <b>Safety:</b> TUV and UL certified <b>Environmental:</b> RoHS compliant
Dimensions	<b>Height:</b> 11.42" (290 mm) <b>Width:</b> 3.65" (92.6 mm) <b>Depth:</b> 12.28" (312 mm) <b>Gross Weight:</b> 11.68 lbs (5.3 kg)



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