



# 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

<b>VidyoRoom™ HD-230</b>	
<b>Screen Layouts</b>	<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
<b>Video Codec</b>	<b>Native:</b> H.264 SVC (UCIF Mode 2s) <b>Via VidyoGateway / VidyoWay:</b> H.263, H.263+, H.264 AVC
<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> 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 <b>Via VidyoGateway / VidyoWay:</b> 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF
<b>Live Resolutions (Received)</b>	<b>Native:</b> 1080p60, 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> 4 Mbps <b>Receive:</b> 8 Mbps
<b>Content Sharing</b>	<b>Content In:</b> Up to 2048 x 1536 via on-board DVI-D <b>Local Projection:</b> Up to 1920 x 1080, with local display when not in conference <b>Remote Display:</b> Scales shared content from remote participants to screen resolution <b>Multipoint Content Sharing:</b> toggle to switch between shares from multiple remote participants
<b>Video Outputs</b>	1x DVI, 1x DisplayPort (1x DisplayPort to DVI adaptor included) Supports VESA Display Power Management Signaling (DPMS)
<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 / 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>Licensing</b>	Includes a dedicated VidyoLine™ license
<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, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish)
<b>Power Supply</b>	Internal 255W 65% efficient AC to DC power supply 100~240V
<b>Recommended Peripherals</b>	<b>USB Camera:</b> Sony SRG-120DU or Minrray UV-950 <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>
<b>Environment</b>	<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)
<b>Regulatory</b>	<b>EMI/EMC:</b> FCC (US), ICES (Canada), CD (Europe), CCC (China), EAC (Russia), VCCI (Japan), C-Tick (Australia/New Zealand), KC (Korea), BSMI (Taiwan), BIS (India), NOM (Mexico), SABS (South Africa) <b>NRTL Tested for Safety to the following Standard:</b> UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements) <b>Including the following additional standards:</b> EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 (which includes all European national differences) <b>Environmental:</b> RoHS compliant
<b>Dimensions</b>	<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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