



VidyoRoom™ HD-230

Ultra HD Performance for People and Content



The VidyoRoom HD-230 delivers incredible Ultra HD experiences on 4K displays or high fidelity HD across dual displays for engaging and productive group collaboration with remote participants. Don't miss a single detail! With the power of 4K rendering, greater than HD content shared by remote participants can be rendered in native resolution in the conference room unlike other so-called 4K solutions that limit content to HD resolution and scale it up to 4K. If 1080p is sufficient for your application, the VidyoRoom HD-230 transmits and receives 1080p participant video and displays either participant video or shared content on a second screen with a variety of layouts. With user friendly features like calendar integration for single click to join scheduled meetings, VidyoRoom HD-230 is as simple to use as it is to deploy. Like every VidyoRoom solution, the HD-230 supports multipoint conferencing, HD encoding, 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

- Receive up to Ultra HD 4K video, transmit up to 1080p60
- Up to 4K content encode and decode or up to 1080p30 fps content sharing
- Display up to 16 participants per screen, totalling 32 participants on two screens
- Tight integration with professional audio and USB PTZ Logitech® CC3000e
- Multipoint Content Sharing: toggle to switch between shared from multiple participants

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
- Patented dynamic adaptation technologies continuously optimize media streams for unmatched fidelity over variable networks and devices

Outstanding User Experience

- Calendar integration for single-click meeting access with support for Microsoft® Exchange and Google® Calendar
- Flexible content and participant video layouts
- Multiple user friendly remote control options including room automation systems like AMX® and Crestron®, the free VidyoRemote™ app for tablets or hand-held remote control with simple to navigate on-screen UI
- Conference with participants using legacy endpoints or other room systems, desktops, laptops, tablets and smart phones

Easy to Own & Secure

- Works with cost effective off-the-shelf displays, cameras and audio devices
- Conference moderation and automatic software updates via VidyoPortal™
- Optional media and signaling encryption
- PIN-protect and lock virtual conference rooms

Specifications

VidyoRoom™ HD-230	
HD Screen Layouts	Screen 1: Ultra HD Screen Layouts, multiple layouts for active speaker, continuous presence participant video, and shared content Screen 2: Multiple layouts for active speaker video, continuous presence video, and shared content
Video Codec	Native: H.264 SVC (UCIF Mode 2s) Via VidyoGateway: H.263, H.263+, H.264 AVC
Audio Codec	Native: SPEEX Wideband Audio, up to 32 Khz sampling rate Via VidyoGateway: G.711, G.722
Live Resolutions (Transmitted)	Native: 1080p60, 1080p30, 720p60, 720p30, 540p30, 450p30, 360p30 Via VidyoGateway: 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF
Live Resolutions (Received)	Native: 4K / 2160p60, 4K / 2160p30, 1080p60, 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30 Via VidyoGateway: 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF
Max Data Rate	Transmit: 4 Mbps Receive: 8 Mbps
Content Sharing	Content In: DVI-D (digital only) Resolution: 4K @ 10fps*, 1920x1200p30, 1080p30, 720p30 Local Projection: Up to 1920 x 1080, with local display when not in conference Remote Display: Scales shared content from remote participants up to 2160p Multipoint Content Sharing: toggle to switch between shares from multiple remote participants <i>*Requires Inogeni 4K/HDMI/DVI to USB 3.0 converter and UHD encode software license LIC-UHD-ENCODE</i>
Video Outputs	1x DVI-I (digital and analog), 1x DisplayPort (1x DisplayPort to DVI adaptor included) Supports VESA Display Power Management Signaling (DPMS)
Camera In	1x DVI
Camera Control	1x RS-232
Audio Inputs/Outputs	1x 3.5mm Stereo Jack; USB
Control	IR remote control, Optional RF remote with QWERTY keyboard, Web based remote control, HDMI-CEC*, and remote control API with support for Crestron and AMX <i>*Requires Pulse Eight USB to HDMI-CEC adapter</i>
Signaling Protocols	Native: EMCP, SCIP Via VidyoGateway: H.323, SIP
Calendar Support	Microsoft® Exchange and Google® Calendar
Encryption	Native: AES 128-bit, TLS, SRTP, HTTPS Via VidyoGateway: 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 (Optional: 4K UHD Content Encode license LIC-UHD-ENCODE)
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	DVI Camera: Sony EVI-HD7 or Minrray VHD-A910 USB Speakerphone: Phoenix Quattro3 MT304 USB Integrated Camera + Speakerphone: Logitech ConferenceCam models CC3000e <i>Also see www.vidyo.com/services-support/technical-support/peripherals for additional cameras, speakerphones, and accessories</i>
Environment	Operating Temperature Range: 5 to 35°C (41 to 95°F) Non-Operating Temperature Range: -40 to 65°C (-40 to 149°F) Operating Humidity Range: 20% to 80% (non-condensing)
Regulatory	EMI/EMC: 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) Safety: TUV and UL certified Environmental: RoHS compliant
Dimensions	Height: 11.42" (290 mm) Width: 3.65" (92.6 mm) Depth: 12.28" (312 mm) Gross Weight: 11.68 lbs (5.3 kg)



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