Polycom®

DATA SHEET

Polycom® RealPresence® EduCart™ 500

Easily expand the visual learning experience across multiple classrooms without expanding your budget

Expand the reach of your classroom

Educational institutions and corporate training departments need to bring remote students, experts and locations into the classroom. The Polycom® RealPresence® EduCart™ 500 solution is a flexible, movable video conferencing solution that brings educators, experts, students or locations into the classroom no matter where they are located.

Based on the Polycom® RealPresence® Group 500 codec, this solution is height adjustable enabling participants seated in the back of the room to clearly view the display. The cart is designed to allow the video and audio system to be easily shared and moved from room-to-room eliminating the need for a dedicated video solution in each room.

The large free-flowing casters and durable handles mounted to the display make it highly maneuverable. Simply wheel it into the classroom, plug it in and start the session. Polycom RealPresence video solutions deliver a breakthrough user experience with customizable user interface, intuitive graphic design and stylish form factor. Now you can experience the superior Polycom® HD Voice™ and video you've come to expect from Polycom with the flexibility you need.

The RealPresence EduCart 500 is a key element of the total Polycom visual communication solution, which includes seamless integration with the Polycom® RealPresence® Platform.

Benefits

- **Flexible classroom application** possible with adjustable screen height for better viewing

- **Utilize video system in multiple locations** throughout the day with the highly mobile and stable platform.

- **In classroom experience for all** students with incredible audio and video quality

- **Affordable design that eliminates** the need for dedicated video unit in each classroom

- **Plug-and-play simplicity**—roll it into the room, plug it in and start the class

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Product specifications

Video display

- 55" LED flat panel
- 2nd monitor option available
- Available with no monitors to add your own display

Video standards and protocols

- H.261, H.263, H.264 AVC, H.264 High Profile, H.264 SVC, RTV
- H.239/Polycom® People+Content™
- H.263 & H.264 video error concealment

People video resolution

- 1080p, 60 fps from 1740 Kbps
- 1080p, 30 fps from 1024 Kbps
- 720p, 60 fps from 832 Kbps
- 720p, 30 fps from 512 Kbps
- 4SIF/4CIF, 60 fps from 512 Kbps
- 4SIF/4CIF, 30 fps from 128 Kbps
- SIF (352 x 240), CIF (352 x 288) from 64 kbps
- QSIF (176 x 120), QCIF (176 x 144) from 64 kbps
- w288p from 128 Kbps
- w448 from 384 Kbps
- w576p from 512 Kbps

Video input

- 1 x EagleEye HD camera (HDCI)
- 1 x HDMI 1.3
- 1 x VGA

Video out

- 2 x HDMI 1.3

Content video resolution

- Input:
  - WUXGA (1920 x 1200)
  - HD (1920 x 1080i), HD (1920 x 1080p) - WSXGA+ (1680 x 1050)
  - UXGA (1600 x 1200)
  - SXGA (1280 x 1024)
  - WXGA (1280 x 768)
  - HD (1280 x720p), XGA (1024 x 768) - SVGA (800 x 600)
- Content frame rate: 5–60 fps (up to 1080p resolution at 60 fps)

Content sharing

- People+Content and Pano App

Audio standards & protocols

- Polycom® StereoSurround™ technology
- 22 kHz bandwidth with Polycom® Siren™ 22 technology
- 14 kHz bandwidth with Polycom® Siren™ 14 technology, G.722.1 Annex C
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A
- Automatic gain control
- Automatic noise suppression
- Instant adaptation echo cancellation
- Audio error concealment
- Keyboard noise reduction
- Live Polycom® MusicMode™ technology
- Other ITU-supported standards
- H.224/H.281 far-end camera control
- H.323 Annex Q far-end camera control
- H.225, H.245, H.241

- H.239 dual stream
- H.460 NAT/firewall traversal

Cart

- Structural support for the included
- 55" display
- Adjustable height to accommodate user need, center of display height:
- 46", 50" or 54"
- 2 x powered speakers (60W total output) with integrated high efficiency digital amplifier
- Sturdy side handles allow cart to be safely and easily moved and maneuvered
- 4" locking heavy duty swivel casters
- Integral cable runs from display top to base for hiding unsightly cables
- Integrated basket with cover to hold microphone/cable, IR remote
- Rear cover to neatly hide codec, power supply, and power bar behind display

Options

- 1080p license, providing up to 1080p60 for people and content
- Multipoint license for up to 6 sites (SDCP), or 4 sites (HDCP)

Physical size

- 49"W x 74"H x 33.25"D (with display and camera)

Weight

- 144 lbs

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