

Polycom[®] Telepresence Experience[™]

TPX[™] HD 306M

Technical Specifications

Updated 03 June 2008

Video and Audio Technology

Technology Components

- Three Polycom HDX video codecs supporting 720p at 30 fps
- Two Polycom Digital Ceiling Microphone Arrays
- Polycom StereoSurround Speaker Kit
- Three High Definition 60-inch Plasma Displays
- Three High Definition Video Cameras
- Room control system with 6-inch color touch panel
- Content Monitor choices:
 - Three 15" color content displays integrated in conference table
 - 50-inch flat panel on a Polycom Executive Collection Stand
 - Customer supplied content display

Video Standards

- H.264 video codec with H.239 People+Content
- H.261 and H.263++ for compatibility with legacy video conferencing endpoints
- H.264 and H.263 Video Error Concealment (including LPR – Lost Packet Recovery) for resiliency against network issues
- AES Media Encryption for secure video/audio and content

Audio Standards

- 22 kHz bandwidth with StereoSurround[™] Siren[™] 22
- 14 kHz bandwidth with Polycom Siren 14, G.722.1 Annex C
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711

Connectivity

Network and Analog Line Requirements

- Four Ethernet 100 Base-T for network connectivity
- Video network requirements to support 720p high definition (including dedicated video bandwidth and overhead):
 - Minimum Bandwidth for HD in Telepresence Mode (3 screens): 7.5 Mbps
 - Recommended Bandwidth for HD in Telepresence Mode in maximum performance (3 screens): 15 Mbps
- Compatible with Video Conferencing call rates from 128 kbps to 4Mbps (1 screen)
- One Analog phone line for integrated Audio Add-On



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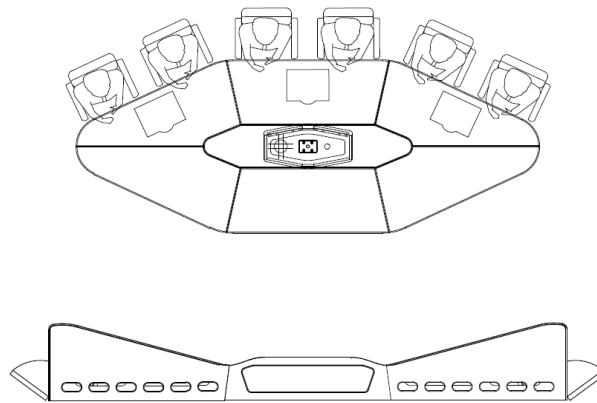
Room Environment

Seating Capacity

- Six seats on-camera
- For off-the-call use (non-telepresence/non-video conferencing) accommodates 12 seats

Room Size & Floor Layout

- Minimum room size: 18 ft Width x 13 ft Depth x 8 ft Height (5.5 m Width x 4.0 m Depth x 2.4 m Height)
- Recommended room size: 24 ft Width x 15 ft Depth x 8 ft Height (7.3 m Width x 4.5 m Depth x 2.4 m Height)



Power & Cooling

- The following data assumes the room is at full occupancy and all equipment is turned on and there is an active call in progress.
 - Total Power Required (Watts): 2500 watts
 - BTUs/Hour: 13,000
 - Cooling in Ton: ~1.1 cooling tons

Environmental Conditions

- Conference Room Operating Temperature: 41°-86° F, 5°-30° C
- Relative Humidity : 10% to 95% (non-condensing)

Total Installed Weight

- Front wall credenza total weight is approximately 1760 pounds (798.3 kg), covering 40 square feet (3.716 square meters), which is approximately 44 lb/ft (214.8kg/m)
- Telepresence table total weight is approximately 695 pounds (315.3 kg), covering 60 square feet (5.57 square meters), which is 12 lb/ft (58.6 kg/m).

Regulatory Compliance

- FCC Part 15 Class A
- CE

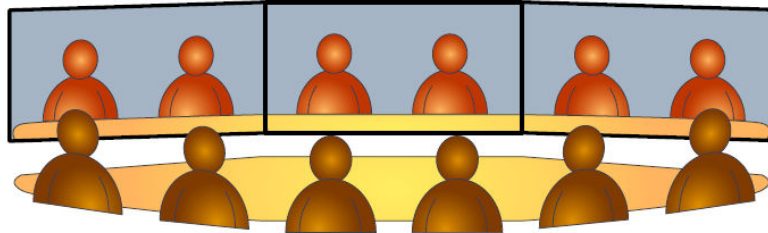


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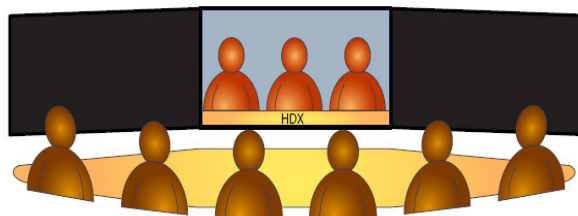
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Call Modes

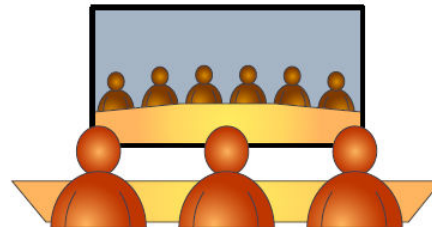
- Point to Point (2- TPX HD 306M's, no MCU)



- Point to Point (TPX HD 306M to HDX, no MCU)



View from TPX HD 306M



View from HDX

