

# Polycom<sup>®</sup> Telepresence Experience

## TPX HD 306M

### Technical Specifications

Updated 10.03.07

## Video and Audio Technology

### Technology Components

- Three Polycom HDX 9004 video codecs supporting 720p at 30 fps
- Two Polycom Digital Ceiling Microphone Arrays
- Polycom StereoSurround Speaker Kit
- Three 60-inch Plasma Displays
- Three High Definition Video Cameras
- Room control system with 6 inch color touch panel
- Content Monitor (Optional)
  - 50 inch plasma on a Polycom Executive Collection Stand

### Video Standards

- H.261
- H.263++
- H.264
- H.239 People+Content
- H.263 & H.264 Video Error Concealment
- 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

## Connectivity

### Call Modes

- Telepresence to telepresence point-to-point
  - face to face, 6 seats in real size
- Traditional videoconferencing
  - Remote view in main display
  - Main camera shows all participants in "Telepresence 6" room
- Various multipoint modes per application and bridging capabilities

### Network and Analog Line Requirements

- 4 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

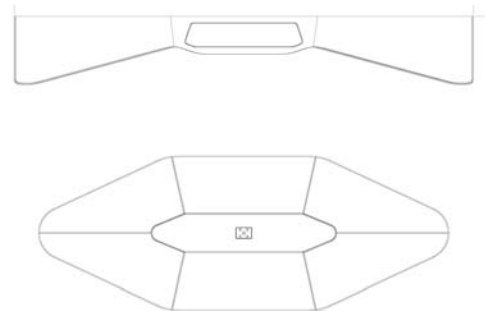
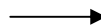
##### Seating Capacity

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

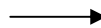
##### Room Size & Floor Layout

- Minimum room size:
  - 18ft Width x 13ft Depth
  - 5.5m Width x 4m Depth
- Recommended room size:
  - 24ft Width x 15ft Depth
  - 7.3m Width x 4.5m Depth

Ariel view of room with table and front video wall



Front view of video displays



##### 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 approximately 40 square feet (3.716 square meters)
- Telepresence table total weight is approximately 695 pounds (315.3 kg), covering approximately 60 square feet (5.57 square meters)

##### Regulatory Compliance

- UL
- FCC Part 15 Class A

