

# Polycom® Architected Telepresence Experience™ (Polycom ATX)

## Enabling AV integrators to deliver customized telepresence solutions

Designed for certified integrators to efficiently deploy turnkey multi-codec telepresence systems across a wide range of customer environments, the Polycom® Architected Telepresence Experience™ (Polycom ATX™) system includes industry-leading codecs, cameras, and microphone arrays for creating life-like immersive telepresence experiences. The Polycom ATX solution also includes telepresence software to deliver multi-codec system intelligence and synchronization, a software development kit (SDK) with support for Crestron and AMX control systems, as well as configuration tools, training and design support services.

With the Polycom ATX solution, integrators provide their customers with consulting for needs analysis, room assessment and design, integration, and ongoing services to help ensure an immersive telepresence solution that addresses both existing and evolving needs. Integrators also provide the furniture, displays, décor and unique telepresence space designs. Content displays can be incorporated into the ATX room for real-time collaboration, and control interfaces can be customized to control lighting, additional cameras, audio sources, and electronic whiteboards and other multimedia devices. Interfaces can be tailored to include branding, different languages, or a specific color scheme or style. The Polycom SoundStructure® installed audio solution can also be used with Polycom ATX, enabling integrators to design powerful and flexible acoustic environments to enhance the telepresence experience.

With a lower total cost of ownership, the Polycom ATX solution enables life-like telepresence for more customers and more environments than ever by leveraging the H.264 High Profile video compression standard, which reduces bandwidth requirements by up to 50%. To further expand and enhance deployment options, the highly adaptable Polycom Architected Telepresence Experience solutions are completely standards-based and fully interoperable with the millions of existing video conferencing systems in use around the world today, including all Polycom immersive, room, and personal telepresence solutions, as well as Polycom's conference platforms, recording and streaming servers, and video management applications.



### Benefits

- Powerful solutions for developing and deploying customized multi-codec, telepresence meeting rooms
- Flexible design options for nearly any customer requirement allow integrators to wrap telepresence technology with furniture, components, décor and services
- Lower total cost of ownership through the use of the H.264 High Profile video compression standard for reduced bandwidth requirements of up to 50% opens telepresence to more customers
- Standards-based interoperability and native integration with leading UC solutions support a wide range of deployments environments

# Polycom Architected Telepresence Experience Specifications

The powerful technologies of the Polycom Architected Telepresence Experience (Polycom ATX) solution, empower leading AV integrators to support the unique immersive telepresence deployment requirements of their most valued customers.

## Complete Solution – available in 2, 3 or 4-codec versions

### Polycom Components

- Polycom HDX™ 8000-1080 codecs and rack mount brackets
- Polycom EagleEye™ III HD cameras (silver), and mounting brackets
- HDX Ceiling Microphone Arrays and extension kits, white
- Accessory kit

### Polycom Telepresence Software and Documentation

- HDX telepresence software
- Crestron® control system software (non-SDK, Polycom version)
- Telepresence configuration tool
- Integration guide with setup instructions
- Quick reference card
- User guide

### Additional SDK Components

- Crestron control module, sample UI code and technical documentation available from and supported by Crestron
- AMX control module, sample UI code and technical documentation available from and supported by AMX

### Partner -Supplied Components (including but not limited to):

- Consulting including customer needs analysis, room assessment, system recommendation, and project management
- Design of the complete experience

including room design and layout, UI design, and programming (or use the ATX 300)

- Implementation of equipment such as:
  - Displays and display mountings
  - Control system hardware
  - Content displays if needed
  - Component rack and cabling as needed
  - Speakers and speaker mounts if needed
  - Custom hardware and furniture as required by customer

### Technical Specifications

- Video Standards & Protocols
- H.264 High Profile
- 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 Polycom Lost Packet Recovery™) for resiliency against network issues
- AES media encryption for secure video/audio and content

### Audio Standards & Protocols

- 22kHz bandwidth with Polycom StereoSurround™ and Polycom Siren™ 22
- 14kHz 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

### Room Dimensions

#### Polycom ATX 200

- Minimum: 18' x 13'6" x 8' (5.5m x 4.1m x 2.4m)
- Recommended 24' x 15' x 8'8" (7.3m x 4.6m x 2.7m)

#### Polycom ATX 300

- Minimum: 23' x 13'6" x 8'

(7.0m x 4.1m x 2.4m)

- Recommended 29' x 15' x 8'8" (8.8m x 4.6m x 2.7m)

#### Polycom ATX 400

- Minimum: 28' x 13'6" x 8' (8.5m x 4.1m x 2.4m)
- Recommended 34' x 15' x 8'8" (10.4m x 4.6m x 2.7m)

### Operating Environments

- Operating temperature: 5° C to +30° C
- Relative humidity: –10% to 80% non-condensing

### Regulatory

- CSA
- CE

### Network & Analog Requirements

- Network bandwidth, excluding overhead and management traffic, for 720p/60 or 1080:
  - Recommended, 3 Mbps per codec
  - Minimum, 1.5 Mbps per codec
  - Maximum, 6 Mbps per codec
- One LAN connection per codec, plus one for the controller. Additional LAN connections may be needed based upon design requirements for network access for users of the system.
- 1 Analog phone line for integrated Audio Add-on

## About Polycom

About Polycom Polycom, Inc. (Nasdaq: PLCM) is a global leader in unified communications solutions with industry-leading telepresence, video, voice, and infrastructure solutions built on open standards. Polycom powers smarter conversations, transforming lives and businesses worldwide.

Find out what the Polycom Architected Telepresence Experience solution can do for your organization. Visit us at [www.polycom.com](http://www.polycom.com) or contact your Polycom Representative.

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