Polycom® Telepresence m100
Premier Visual Communications

Polycom brings its legendary quality audio, video, and content sharing to your PC and USB camera.

Mobile and desktop users can now experience the freedom of HD-quality visual communications from anywhere. Unlike competitive systems, the Polycom® Telepresence m100 solution utilizes industry standard protocols, allowing seamless connection to the millions of room and immersive telepresence systems in use today worldwide. Users can enjoy person-to-person calling or even one-to-many through a video bridge. Within minutes, the simple software can be downloaded and installed. Users can search for contacts, friends, and colleagues in their directory and simply click-to-call.

Telepresence m100 solution is perfect for small and medium businesses that need a cost-effective way to add to their communication tools. The intuitive interface lets users search directories for colleagues or friends and click a name to call, discuss projects and share virtually anything from their desktop to remote participants and teams.

Larger organizations will use the software to conduct efficient talent interviews and build vendor relationships. The software also gives remote users the ability to simply download the software-based video client to stay connected to these large organizations without providing expensive transportation. Remote users can stay connected to large organizations without expensive and reoccurring travel or less than adequate communication devices. Vendors and contractors are no longer required to be onsite, saving company office space requirements. This flexible and secure software offers a powerful, low-risk and standards-based way to build relationships.
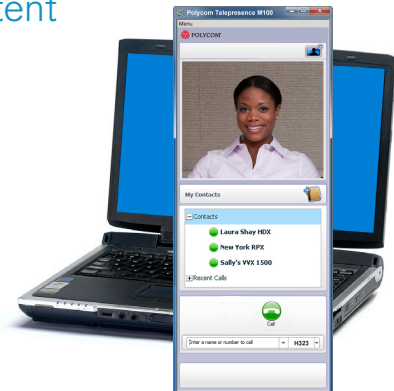
For users of group conferencing systems, the premium performance and advanced features of the Polycom Telepresence m100 solution will perfectly integrate and complement larger room systems while maximizing end-to-end conferencing and collaboration quality.

The Telepresence m100 solution offers a number of innovative features, including Constant Clarity™ technology. Even when Internet connections are less than optimal, Polycom Constant Clarity technology protects visual communications with the same technology used in premium-grade immersive telepresence solutions.

In today's Internet-driven world, the ability to conduct real-time communication and collaboration is critical to an organization's survival. As the market leader in unified collaboration, our award-winning conference technology makes it easy for people to interact and maximize productivity with high-quality voice, video and content sharing—over any network, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. To meet the needs of a large deployment above 100 users, consider the Polycom CMA® Desktop enterprise solution.

Learn More

To find out more about this and other Polycom solutions, please go to www.polycom.com/experience to visit the Polycom Experience Center.

Benefits

Premier-Quality Audio, Video, and Content – Crisp high resolution video with H.264 HD video, high fidelity 14kHz audio, and HD content sharing.

Simple and Easy to Use – Along with an easy-to-use interface similar to your favorite chat program, click-to-call features and organization directory offer more benefits without extra complications.

Mobility – Always on, always connected. Stay in touch with colleagues and customers from the office, home, or while traveling.

Superior Innovation – Polycom Constant Clarity™ technology produces high-quality audio and video over less than optimal Internet connections.

High Return on Investment – Works with existing hardware and software solutions from other Polycom Telepresence m100 users to room systems using H. 323 and SIP.

Low Total Cost of Ownership – User-friendly download requires little to no IT staff support to install or maintain. Using standard USB cameras that are often already in place is also cost effective.

Polycom Telepresence m100 Specifications

Protocols Used
- H.323
- SIP
- LDAP/H.350
- AES-Media encryption
- H.460 Firewall Traversal

Audio
- 20KHz with G.719
- 14kHz with Polycom Siren 14
- 7kHz with G.722, G.722.1
- 3.4kHz with G.711, G.728
- Full Duplex Audio
- Echo Cancellation
- Automatic Gain Control (AGC)
- Automatic Noise Suppression (ANS)
- Voice over IP (VoIP)

Video
- H.261, H.263, H.263+, H.264
- Multiple Monitor Support — must be supported by PC video card
- Picture-In-Picture (PIP)

People Video Resolution
- HD
- VGA (640x480) – High resolution webcam
- Half-VGA (320x480)
- CIF (352 x 288 pixels)
- SIF (352 x 240 pixels)
- QCIF (176 x 144 pixels)
- QVGA (160 x 120 pixels) – Native Web camera resolution
- 720p receive only

Content Video Resolution
- Show PC desktop as Content:
  - Capture – Native resolution of computer desktop
  - Transmit and Receive – XGA (1024 x 768)
- 4CIF (704 x 576 pixels)
- CIF (352 x 288 pixels)

Data
- H.323 Annex Q far-end camera control

Security
- H.235 v3 AES encryption
- Admin lock-down of configuration pages

Cameras Supported
- USB 2.0 Web Cameras: Microsoft® HD-5000, Microsoft LifeCam Cinema™, LifeCam HD-6000, Logitech C100, Logitech® C210, Logitech C310, Logitech Webcam Pro 9000, Logitech Webcam C905.

- Polycom has fully qualified the USB devices listed above for interoperation with Telepresence m100 software. Other USB devices may also work with Telepresence m100 software.

Directory Services
- Supports Polycom Global Address Book
- Support for Active Directory
  - LDAP through Polycom Global Address Book
- Supports Local Address Book
  - Contact List
  - Most Recently Called List

Dialing Capabilities
- DNS alias
- E.164 extension
- IP address
- H.323 external gatekeeper, gateway, and MCU support
- SIP URI

Quality of Service (QoS) and experience – Polycom Constant Clarity™ technology
- Error concealment for optimal experiences even over the public internet
- Network Address Translation (NAT) support
- Automatic gatekeeper discovery
- Configurable fixed port ranges
- Lip synchronization
- Asymmetric call speed

PC Hardware Requirements
- Basic (up to QVGA):1.5 GHz P4, 1.2 GHz Pentium M/AMD Turion or higher
- Standard (up to CIF, People+Content): 2.0 GHz P4, Pentium M/AMD Turion 1.4GHz
- Premium (up to VGA, People+Content): 3.2 GHz Pentium, Pentium M/AMD Turion 2.0 GHz
- HD (up to 720p): Quad Core Duo 2.0 GHz
- RAM: XP – 1GB, Vista – 2GB
- Windows XP, Windows Vista, and Windows 7
- Storage: 30MB
- 256 MB video RAM recommended for Vista
- Display: XGA, 16-bit color or higher

Operating Systems:
- Windows 2000, XP, Windows Vista®, Windows 7

Language Support
- English

POLYCOM®

2932_0511