



## DATA SHEET

# Polycom® RealPresence® Group 500

Powerful video collaboration for group conferences in a sleek design that is simple to use

The RealPresence® Group 500 is ideal for conference rooms and other collaborative environments, from small meeting rooms to larger rooms with dual screens. Next-generation performance is combined with a simple user interface for an experience that will delight users while IT administrators will admire the compact design, broad interoperability, and the industry's lowest total cost of ownership.

### Best-In-Class Experiences

The RealPresence Group Series sets a new standard for ease of use in video collaboration. The breakthrough user experience is easy for even first time users with no need for training. Backed by years of customer research, Polycom's new user interface speeds up the adoption of video communications, and reduces support costs for IT administrators. Plus, breakthrough Polycom® SmartPairing™ technology\* makes it simple to use your own Apple® iPad® tablet to start and manage video calls.

Drive increased adoption and cut expenses by delivering a video collaboration experience that is so life-like and enjoyable your teams will prefer it over traveling for in-person meetings. Up to 1080p60 video resolution adds a new level of clarity and realism to your business communications. This results in active users who eagerly look to add video to their daily communications, driving rapid and higher adoption, increasing team productivity, and speeding return on investment (ROI). Up to 1080p60 content quality removes limitations when sharing videos, design animations, or any other type of content that requires both high resolution and natural movement. The advantage you gain in being able to see both people and content in full motion HD at the same time makes your video collaboration a more productive and enjoyable experience.

The sleek, compact design of the RealPresence Group 500 device allows for discreet placement and helps simplify your setup with single-cable connections for video and audio. Plus, the compact design also makes it ideal for mobile applications, whether moved to different locations within a building or outside of a traditional office.

### Unmatched Interoperability

The RealPresence Group 500 is fully standards-based; able to connect to millions of other standards-based video systems in use today. Native interoperability with leading unified communications (UC) platforms means that video now easily integrates with the way you already communicate without adding expensive and complex gateways. The RealPresence Group Series also offers Telepresence Interoperability Protocol (TIP) support for direct connection to non-standards-based



- Breakthrough simple user interface and Polycom® SmartPairing™\* so your employees can start collaborating instantly with their iPad
- 1080p60 video and content collaboration heightens realism and speeds adoption
- Interoperable SVC\* delivers a great experience even on bandwidth-limited networks
- Enjoy clutter-free conference rooms with the compact design and simple digital connections for displays and content sources
- Enable more people to join calls, reducing dependence on separate conference bridges with 6-way SD multipoint and 4-way in 1080p30

Cisco environments. Polycom's unique interoperable SVC architecture\* is the first to provide video calling between both existing video systems and new SVC systems. This unique approach delivers unmatched investment protection and avoids "video islands" that lock you into only calling other like systems.

of realism with up to 50 percent less bandwidth. For existing Polycom customers, RealPresence Group Series allows you to leverage previous investments in Polycom technology, including select cameras, microphones, and UC innovations such as Polycom® EagleEye Director and Polycom® Touch Control.

### Lowest Total Cost of Ownership

Polycom continues to lower the total cost of ownership of video collaboration by extending the benefits of H.264 High Profile to 1080p60 people and content. You experience whole new levels



#### Package Includes:

- Polycom EagleEye III or EagleEye Acoustic camera, codec, Polycom RealPresence Group Microphone Array, cables, and remote control

#### 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

#### Video Input

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

#### Video Out

- 2 x HDMI 1.3

#### 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

#### 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 x 720p), XGA (1024 x 768), SVGA (800 x 600)
- Output: WUXGA (1920 x 1200), HD (1920 x 1080), WSXGA+ (1680 x 1050), SXGA+ (1400 x 1050), SXGA (1280 x 1024), HD (1280 x 720), XGA (1024 x 768), VGA (640 x 480)
- Content Frame Rate: 5 - 60 fps (up to 1080p resolution at 60 fps)
- Content Sharing: People+Content™ and People+Content™ IP

#### Camera

- Polycom EagleEye III Camera
  - SMPTE 296M 1280 x 720p60 SMPTE 274M 1920 x 1080p, 60/50
  - 12x optical zoom
  - 72° FOV min
- Polycom EagleEye Acoustic Camera
  - SMPTE 274M 1920x1080, 30/25
  - 3x Digital zoom
  - 67° FOV

#### Audio Input

- 1 x RealPresence Group Microphone Array (supporting a total of 2 microphones)
- 1 x HDCI (camera)
- 1 x HDMI
- 1 x 3.5mm Stereo Line-in

#### Audio Output

- 1 x HDMI
- 1 x 3.5mm Stereo Line-Out

#### Other Interfaces

- 2 x USB 2.0
- 1 x RS-232 Mini-DIN 8-Pin

#### Audio Standards and Protocols

- 22 kHz bandwidth with Polycom Siren 22 technology, AAC-LD
- 20 kHz bandwidth with G.719
- 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

#### Polycom® Constant Clarity™ Technology

- Automatic gain control
- Automatic noise suppression
- Keyboard noise reduction
- Live music mode
- Instant adaptation echo cancellation

- Audio error concealment
- Siren Lost Packet Recovery™ (LPR™) technology
- Polycom® StereoSurround™ technology

#### Other Supported Standards

- H.224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460
- BFCP (RFC 4562)
- TIP

#### Network

- 1 x 10/100/1G Ethernet
- Auto-MDIX
- H.323 and/or SIP up to 6 Mbps
- Polycom® Lost Packet Recovery™ (LPR™) technology
- Reconfigurable MTU size
- RS232 with API support
- Microsoft® Office Communications Server integration
- Microsoft® ICE support
- Microsoft® Lync™ support
- IBM® Sametime™ support

#### Security

- Algorithms: SHA-1, SHA-256, AES (256-bit, CBC/OFB/counter), PRNG
- Authenticated access to admin menus, web interface and telnet API

- FIPS 140-2 Validated Cryptography (Validation Certificate #918)
- PKI & certificate management (TLS 1.0 and SSL 3.0)

#### Options

- Polycom Touch Control
- Polycom EagleEye Director
- Polycom EagleEye Acoustic camera
- Polycom EagleEye View camera
- 1080p license, providing up to 1080p60 for people and content
- Multipoint license for up to 6 sites (SDCP), or 4 sites (HDCP)
- SoundStation® IP 7000 conference phone integration
- SoundStructure® integration through a digital interface
- RTV/CCCP
- TIP

#### Electrical

- Auto sensing power supply
- Typical operating voltage/power
- 125VA @ 120V @ 60Hz
- 125VA @ 230V @ 60Hz
- Environmental Specification
- Operating temperature: 0—40°C
- Operating humidity: 15—80%
- Non-operating temperature: -40°—70°C

- Non-operating humidity (non-condensing): 5—95%
- Maximum altitude: 10,000 feet

#### Physical Characteristics

- RealPresence Group 500 base box
  - 11.3" x 1.2" x 4.8"
  - 2.45 lbs.

#### Warranty

- One-year return to factory parts and labor

*\* Planned for future release. Availability subject to change without notice.*

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## About Polycom

Polycom is the global leader in open standards-based unified communications (UC) solutions for voice and video collaboration, trusted by more than 415,000 customers around the world. Polycom solutions are powered by the Polycom® RealPresence® Platform, comprehensive software infrastructure and rich APIs that interoperate with the broadest set of communication, business, mobile, and cloud applications and devices to deliver secure face-to-face video collaboration in any environment. Polycom and its ecosystem of over 7,000 partners provide truly unified communications solutions that deliver the best user experience, highest multi-vendor interoperability, and lowest TCO. Visit [www.polycom.com](http://www.polycom.com) or connect with us on Twitter, Facebook, and LinkedIn to learn how we're pushing the greatness of human collaboration forward.

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