



## DATA SHEET

# Polycom® RealPresence® Medialign™

## All-in-one video collaboration for the modern age

Organizations need more agile and effective teams. The desire to meet quickly with teammates near and far, share ideas, and collaborate on critical projects has fueled the demand for visual collaboration. To meet this growing demand, organizations seek turnkey solutions that can be easily and consistently deployed without costly room remediation. Polycom® RealPresence® Medialign™ solutions deliver the industry's best video collaboration with an innovative, modern design that deploys anywhere in minutes.

### Simple, all-in-one collaboration

Polycom RealPresence Medialign includes everything you need to easily deploy video communications. RealPresence Medialign offers single-sku ordering with patented 'no-tools-required' installation in any location. Perfect for medium to large rooms, RealPresence Medialign comes complete with single or dual 55" or 70" LED monitors, high-fidelity audio, tabletop microphone arrays, Polycom EagleEye cameras and the powerful RealPresence Group Series 500 video codec.

### Unmatched user experience

With 1080p60 resolution for both video and content and Polycom's legendary audio, RealPresence Medialign offers a best-in-class collaboration experience. But the unique Polycom innovations make all difference.

Hands-free camera operation with Polycom® EagleEye™ Producer or Polycom® EagleEye™ Director automatically frames and tracks meeting participants. Polycom® NoiseBlock™ and Acoustic Fence™ technologies remove distracting non-speech sounds like typing, shuffling papers and even barking dogs. Polycom® RealPresence Touch™ replaces confusing remote controls with a simple touch-screen interface. Every detail has been addressed to ensure your teams can focus completely on effective collaboration.

### Powerful collaboration

Collaborate visually on concepts, images and media—with ease. Polycom® SmartPairing™ connects your BYO devices for sharing and annotating content from your device, the web and even cloud storage. Provide virtual whiteboard collaboration for everyone both in and out of a call with embedded Polycom® VisualBoard™ technology in RealPresence Medialign.

### Broad interoperability

With the industry's broadest support for open, standards-based interoperability, native integration into UC deployments including Microsoft Lync / Skype for Business and BroadSoft One, RealPresence Medialign protects your investment from shifting business landscapes.



### Benefits

- **Save installation time** with simple no tools deployment
- **Integrate into broadest array of UC networks**—Compatible with current communication technology investments and with new and emerging systems to deliver the best investment protection
- **Straightforward global deployment**—All in one package provides everything from cables to displays to expand video collaboration to every location
- **Best-in-class user experience** with hands-free camera operation, simple touch interface control and audio innovations that eliminate distractions for more effective meetings
- **See and share** ideas and reactions with high-performance video and content sharing options
- **Low total cost of ownership** with easily replaceable components
- **Fits into any room environment** with unobtrusive modern slim line design that adds contemporary influence to your workspace

## Standard components in each package

- [Polycom® RealPresence® Group 500](#) delivers powerful video collaboration performance for conference rooms and other meeting environments in a sleek design that is easy to configure and use.
- [Polycom® RealPresence® Touch](#) is a touch interface that allows you to focus on your conversations instead of the technology.
- [Polycom® EagleEye™ IV](#) (included with EagleEye Producer packages) is a completely digital camera with a 4k sensor to capture incredible detail, and offers industry-leading flexibility for any room environment.
- [Polycom® EagleEye™ Producer](#) (standard on all 55" and single 70" packages) uses innovative facial-tracking to instantly recognize everyone in the room and frame them all properly for greater impact, even as participants enter, leave or stand to present. Plus it counts and records the number of participants in each meeting so you can measure the full impact of your video investment.
- [Polycom® EagleEye™ Director](#) (standard on all dual 70" packages) automatically zooms in on the person speaking, transmitting facial expressions and body language for higher impact and more productive video collaboration. EagleEye Director includes EagleEye III cameras.
- [Polycom® Microphone Array](#) provides 360-degree coverage of high-fidelity audio to the far end participants or can be configured to provide Polycom® StereoSurround™.
- [1080p license](#) provides 1080p60 resolution to share video clips, CAD animations, medical diagrams, or anything else you can dream up in high resolution
- [Native interoperability with Skype for Business/Lync](#) extends the benefits of your UC platform investment while simplifying the experience for users with included Lync interoperability license (RTV license).
- Single and dual high-definition LED display packages are available in 55" or 70" for an ideal viewing experience.
- Modern slim line stand adds contemporary influence to your meeting rooms.
- High-fidelity loudspeakers provide room-filling audio so everyone can hear without straining.



Single 55" display—RealPresence Medialign 155



Dual 55" display—RealPresence Medialign 255



Single 70" display— RealPresence Medialign 170



Dual 70" display— RealPresence Medialign 270

## RealPresence Medialign specifications

### General

- Power supply: 110V–220V AC
- Operating temperature: 0–40°C
- Operating humidity: 15%–80% non-condensing
- Cooling: Fan cooling for enclosure via abox
- Enclosure: Ergonomic aluminum and steel chassis
- Dimensions
  - 155-(H)1520.5mm–(W)1284.0mm–(D)714.3mm
  - 255-(H)1520.5mm–(W)2568.0mm–(D)714.3mm
  - 170-(H) 1720mm x (W) 1616mm x (D) 735mm
  - 270-(H) 1720mm x (W) 3232mm x (D) 735mm
- Product weight
  - 155–55 kg
  - 255–90 kg
  - 170–250 kg
  - 270–450 kg
- Regulatory compliance: CE, FCC, RoHS, WEEE
- Power Inlet/Outlets: 110V–220V AC circuit breaker protected to 10A

### HD LED displays

- Diagonal screen size: 55" or 70"
- Display type: Edge-lit LED display
- Maximum resolution: 1920x1080p
- Contrast ratio: 5000:1
- Active display area:
  - 55"–1209.6mm x 680.4mm (47.6" x 26.8")
  - 70"–1536.7 x 865mm (60.5" x 34")
- Display Interface: HDMI, DVI-D, VGA
- Control: Controlled by abox core processor
- Power: 110w per screen-24v via abox / abox PSU
- Viewing angle: +/- 178 degrees
- Brightness: 55" displays typical 450 cd/m<sup>2</sup> 70" displays typical 700 cd/m<sup>2</sup>

### Loudspeakers

- Frequency response: 74Hz to 18KHz (+/- 2.5dB)
- Maximum Long Term SPL RMS at 1m: > 91db
- Self-generated noise measured in half space at 1m: < 5dB
- Harmonic distortion at 80dB SPL at 1m on axis 70–400Hz 3%: > 400Hz < .5%
- THD at nominal output: < 0.08%

- Audio Input: >10K Ohm 4 x RCA Phono plug
- Power: Power 90v or 240v AC

### EagleEye IV Camera

- Camera type: 1/2.33" CMOS
- H/V Resolution: 1920 x 1080
- Output: SMPTE 296M 1280 x 720p60, SMPTE 274M 1920 x 1080p, 60/50
- Lens focal length: f=3.76–37.6mm
- Zoom: 4x optical (black), 10x/12x (silver) optical/digital
- Focus: Auto
- Horizontal field of view: 65°, 85° with wide angle lens
- Vertical field of view: 39°
- Min. illumination: 50 lux
- Exposure: Auto-iris, AGC
- SNR: 50 db
- Pan range: +/-100°
- Tilt range: +20/-30°
- I/O: Mini-HDCI—Hirose DH60-37P
- IR detectors: Yes
- Power consumption: 12v @ <2A power
- Dimensions: 218 x 138 x 118 mm

### EagleEye Producer (Standard on all 55" and single 70" systems)

- Connections
  - 1x HDCI (Out to Polycom RealPresence Group Series)
  - 1x HDCI to HDCI to EagleEye III or 1 HDCI to Mini-HDCI
  - USB for local upgrades
  - Power
- Camera Characteristics: Horizontal field of view 80 degrees and vertical manual tilt
- 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 ft
- Electrical: Auto sensing power supply
- Typical operating voltage/power: 22VA typical @ 120V @ 60Hz. 26VA @ 230V @ 50/60Hz
- Typical BTU/h: 106 BTU/h
- Physical size: 11.3" H x 1.2" W x 4.8" D
- Physical weight: 1.93 lb

### EagleEye Director (Standard on Dual 70" only)

- Connections
  - 1 HDCI out to video system
  - USB for diagnostics & local upgrades
  - Stereo phoenix connector for remote audio processing
- Electrical: Auto sensing power supply

- Typical operating voltage/power
  - 60VA @ 120V @ 50Hz @ .49 PF
  - 60VA @ 120V @ 60Hz @ .49 PF
  - 74VA @ 200V @ 50Hz @ .40 PF
  - 73VA @ 200V @ 60Hz @ .40 PF
  - 87VA @ 260V @ 50Hz @ .34 PF
  - 86VA @ 260V @ 60Hz @ .36 PF

### Polycom RealPresence Group 500

- Video input
  - 1 x 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)
  - HD (1920 x 1080i), HD (1920 x 1080p)
  - WSXGA+ (1680 x 1050)
  - SXGA (1280 x 1024)
  - WXGA (1280 x 768)
  - HD (1280 x 720p), XGA (1024 x 768)
  - SVGA (800 x 600)
- Content video resolution (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
- Audio input
  - 1 x RealPresence Group Series microphone array input port (supporting a total of 4 microphone arrays)
  - 1 x HDCI (camera)
  - 1 x HDMI
  - 1 x 3.5 mm stereo line-in
- Audio output
  - 1 x HDMI
  - 1 x 3.5 mm stereo line-out

- Other interfaces
    - 2 x USB 2.0
    - 1 x RS-232, 8-pin mini-DIN
  - Audio standards and protocols
    - 22 kHz bandwidth with Polycom® Siren™ 22 technology, AAC-LD (TIP calls)
    - 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
    - Polycom® NoiseBlock™ technology
    - Polycom® Acoustic Fence™
    - Live music mode
    - Instant adaptation echo cancellation
    - Audio error concealment
    - Polycom® 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 4582)
    - TIP
  - Network
    - IPv4 and IPv6 support
    - 1 x 10/100/1G Ethernet
    - Auto-MDIX
    - H.323 and/or SIP up to 6 Mbps
    - Polycom® Siren™ Lost Packet Recovery (LPR) technology
  - Physical dimensions: 252 x 175.8 x 11.25 mm (no stand)
  - Connections
    - Micro-B USB 2.0 OTG (Supports a USB connection to a PC for content sharing)
    - Type A USB 2.0 (Supports software updates)
  - Mechanical locking mechanism: Kensington lock
  - Glass: Scratch-resistant and oleophobic
  - Weight: 1 Kg (approximate)
  - Operating Temperature: 0°C to 40°C
  - Non-operating Temperature: -20°C to 70°C
  - Operating Altitude: 0 to 16,405 ft (~5000 meter) ASL
  - Non-operating Altitude: 0 to 50000 ft ASL
- Polycom® RealPresence Touch™**
- Display: 10.1-inch screen
  - Aspect ratio: 16 x 10
  - Resolution: WXGA (1280 x 800)
  - Viewing angle: > = 178 degrees
  - Positioning/placing angle: 30 degrees/65 degrees
  - Electrical
    - Power Over Ethernet (PoE), Compatible with IEEE 802.3af type 1
    - Low-power sleep mode

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## About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

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