Polycom® RealPresence Digital Brkout, Camera and RealPresence Digital Brkout, Codec
Quick User Guide
November 2019 | 3725-68908-001F

Product Description

Polycom® RealPresence Digital Brkout, Camera - Adapter for Videoconferencing Equipment
The Polycom RealPresence Digital Brkout, Camera, is a breakout adapter that allows the digital cameras, the Polycom EagleEye IV, and the Polycom EagleEye Acoustic, to be broken out into HDMI and Serial (DB9) signals.

Polycom® RealPresence Digital Brkout, Codec - Adapter for Videoconferencing Equipment
The Polycom RealPresence Digital Brkout, Codec, allows the input of HDMI and Serial for control into an HDCI input on the RealPresence Group Series codecs.

Switcher Configuration Settings:
- EDID: OFF
- HDCP: OFF
- Scaler: ON - Looked at 1080p60

The two EagleEye Digital Breakout Adapters can be used together to extend the distance from EagleEye IV cameras to the Group Series codecs.

Setting up the Polycom® EagleEye™ Digital Breakout Adapter

Camera
Use with certified HDMI and EIA/TIA-RS-232 compliant cables.

RealPresence Group Series Codec
Use with certified HDMI and EIA/TIA-RS-232 compliant cables.

RealPresence Digital Brkout, Camera
Use with certified HDMI and RS-232 compliant cables.

RealPresence Digital Brkout, Codec
Use with certified HDMI and RS-232 compliant cables.

Video Format Resolutions

<table>
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<tr>
<th>Mode</th>
<th>Active Pixels</th>
<th>Active Lines</th>
<th>Vertical Refresh Hz</th>
<th>Pixel Clock MHz</th>
<th>Video Standard</th>
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<tbody>
<tr>
<td>1080p</td>
<td>1920 x 1080</td>
<td>960</td>
<td>59.94</td>
<td>108 MHz</td>
<td>CEA-861-D3</td>
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<tr>
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<td>1280 x 720</td>
<td>576</td>
<td>59.94</td>
<td>98 MHz</td>
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<tr>
<td>1080i</td>
<td>1920 x 1080</td>
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</tbody>
</table>

Best Practices and Safe Use

RealPresence Digital Brkout, Camera:
- Use the supplied Polycom power supply (part number 8200-23390-040).
- Verify the polarity of the power supply as shown on the DBA next to the power supply input.
- Use with HDCI Polycom EagleEye IV Camera Cable. Either 2457-64356-001 (3m); 2457-64356-100 (1m), or 2457-64356-018 (457mm).
- Use with certified HDMI compliant cable.
- Use with certified EIA/TIA-RS-232 cable. Use straight-through type, not crossover.
- Do not hot plug the serial cable. Disconnecting or connecting the RS-232 cable during operation may cause unexpected system behavior. If this happens, cycle the power to the codec or camera to eliminate this issue.
- The signal quality is dependent on the quality of the HDMI and serial signals at the output of the DBA and associated cables, if the mating device has an equalizer, and the electrical noise in the installed environment.

RealPresence Digital Brkout, Codec:
- Use with HDCI Polycom EagleEye IV Camera cable. Either 2457-64356-001 (3m); 2457-64356-100 (1m), or 2457-64356-018 (457mm).
- Use with certified HDMI compliant cable.
- Use with certified EIA/TIA-RS-232 cable. Use straight-through type, not crossover.
- Do not hot plug the serial cable. Disconnecting or connecting the RS-232 cable during operation may cause unexpected system behavior. If this happens, cycle the power to the codec or camera to eliminate this issue.
- Polycom tested with cables less than 3 meters in a normal environment. The maximum cable length possible depends on the signal quality of the HDMI and serial signals at the output of the DBA and associated cables.
- Ensure proper operation with all devices, the HDMI and EIA/TIA-RS-232 specs should be met at the input to all mating devices.

Supported Video Format Resolutions
RealPresence Digital Breakout, Camera:
- Includes its own power supply (part number 1465-53748-040 100-240VAC, 1.3A, 50/60Hz: 12V/DC at 3.3A).
- Verify the polarity of the power supply as shown on the Digital Breakout Adapter next to the power supply input.
- Operating ambient conditions: Operating temperature 0°C to 40°C, Relative Humidity: 35% to 90% non-condensing @ 40°C.

RealPresence Digital Breakout, Codec:
- Has no active components. Operating ambient conditions: Operating temperature 0°C to 40°C, Relative Humidity: 35% to 90% non-condensing @ 40°C.

Installation Requirements
Installation must be performed in accordance with all relevant national wiring rules. The outlet to which this apparatus is connected must be installed near the equipment and must always be readily accessible. The user is cautioned that any changes or modifications not expressly approved by Polycom, Inc. could void the user’s authority to operate the equipment. This product is only for use in commercial, and light industrial areas.

Safety Considerations for Storage and Transportation

- The RealPresence Digital Breakout, Camera has a seven year period of life. The EagleEye Digital Breakout Adapter has a seven year period of storage.
- The RealPresence Digital Breakout, Codec has a -30°C to 60°C (-22°F to 140°F), 35% to 90% non-condensing @ 40°C storage & transportation requirement.
- Production day. There are up to thirty one days in a month, therefore these two digits will lie in the range between 01 and 31.
- Production month. There are twelve months in a year, therefore these two digits will line in the range between 01 and 12.
- Production year. This is the year during which the unit was manufactured.

Sales Terms and Conditions
Sales terms and conditions are stated in the agreements with authorized distributors.

Recycling End-of-Life Products
Polycom encourages you to recycle your end-of-life Polycom products in an environmentally considerate way. In accordance with the requirements of the European Waste Electronic and Electrical Equipment (WEEE) Directive, all Polycom products are marked with the crossed wheeled bin symbol. Products that carry this symbol should not be disposed of in the household or as general waste stream. Detail of the options open to you and the guidance on the requirements for the recycling and environmentally considerate disposal of your end of life Polycom products can be found at Polycom Global Sustainability. Specific take back and recycling information can be found at Takeback & Recycle Program.

Troubleshooting
This section provides information about actions required if the product does not work correctly.
- Find Documents and Downloads, select TelePresence and Video > RealPresence Group Packaged Solutions, and then search for the documentation you want.
- Use the Knowledge Base. For more troubleshooting information, search the Knowledge Base at http://support.polycom.com/PolycomService/support/us/support/video/index.html

Product Support Product Manufacturing Information
This section includes manufacturing information.

Country of Manufacture: The country of manufacture is Thailand

Product Manufacture Date: Manufacturing data is included on the serial number label in the following format: YYYYMMDD

Field Description
YYYY Production year. This is the year during which the unit was manufactured.
MM Production month. There are twelve months in a year, therefore these two digits will lie in the range between 01-12.
DD Production day. There are up to thirty one days in a month, therefore these two digits will lie in the range between 01-31.

Additional Information
- Additional, more detailed info is available on the site www.polycom.com.
- Polycom Inc. has a right to change the current UG without any notification.

Copyright
LIMITED WARRANTY. Polycom warrants to the end user ("Customer") that this product will be free from defects in workmanship and materials, under normal use and service, for one year from the date of purchase from Polycom or its authorized reseller. Polycom’s sole obligation under this express warranty shall be, at Polycom’s option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the foregoing options are reasonably available, Polycom may, at its sole discretion, refuse to Customer the purchase price paid for the defective product. All products that are replaced will become the property of Polycom.

Replacement products or parts may be new or reconditioned. Polycom warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer. Products returned to Polycom must be sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. Responsibility for loss or damage does not transfer to Polycom until the returned item is received by Polycom. The repaired or replaced item will be shipped to Customer, at Polycom’s expense, not later than thirty (30) days after Polycom receives the defective product, and Polycom will retain risk of loss or damage until the item is delivered to Customer.

EXCLUSIONS. Polycom will not be liable under this limited warranty if its testing and examination disclose that the alleged defect or malfunction in the product does not exist or results from:
- Failure to follow Polycom’s installation, operation, or maintenance instructions.
- Unauthorized product modification or alteration.
- Unauthorized use of common carrier communication services accessed through the product.
- Abuse, misuse, neglectful acts or omissions of Customer and persons under Customer’s control.
- Acts of third parties, acts of God, accident, fire, lightning, power surges or outages, or other hazards.

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