**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 - Locked 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**

- 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.

**Video Format Resolutions**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Active Pixels</th>
<th>Active Lines</th>
<th>Vertical Refresh Hz</th>
<th>Frame Clock MHz</th>
<th>Video Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>720</td>
<td>480</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>576</td>
<td>720</td>
<td>576</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>720</td>
<td>720</td>
<td>720</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>725</td>
<td>720</td>
<td>720</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>1080</td>
<td>1080</td>
<td>1080</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>1085</td>
<td>1080</td>
<td>1080</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
<tr>
<td>1090</td>
<td>1080</td>
<td>1080</td>
<td>59 Hz</td>
<td>~7</td>
<td>CEA-958-L-01</td>
</tr>
</tbody>
</table>

**Best Practices and Safe Use**

- 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.
- 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.

To 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**

- Without EDID support, digital (HDMI) sources connected to the system must have a mechanism for bypassing EDID detection, for setting up the video resolution manually, or using a fixed video resolution. Refer to the Video Format Resolutions table below for supported resolutions.
- 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. To ensure proper operation with all devices, the HDMI and EIA/TIA-RS-232 specs should be met at the input to all mating devices.
### Parameters and Interfaces

**RealPresence Digital Breakout, Camera:**
- Includes its own power supply (part number 1445-53748-040 100-240VAC, 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.
- European EMC Immunity standard (EN55024:2010) testing was performed using cables less than 3 meters in length.

### 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 easily 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 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.

### 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 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 Takeback & Recycle Program.

### Troubleshooting

This section provides information about actions required if the product does not work correctly.


2. Under Documents and Downloads, select Telepresence and Video > RealPresence Group Packaged Solutions, and then search for the document you want.


### Product Support Product Manufacturing Information

This section includes manufacturing information.

<table>
<thead>
<tr>
<th>Country of Manufacture</th>
<th>Product Manufacturing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>The country of manufacture is Thailand</td>
<td>YYYYMMDD</td>
</tr>
</tbody>
</table>

**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

- The product conforms to requirements of Technical regulations of the Customs union "Electromagnetic compatibility of technical equipment" (TR CU 020/2011) and compliance has been confirmed. Declaration of compatibility of RealPresence Digital Breakout, Camera: TC No RU.JU.445.A955.B.00150. It is valid from 17.03.2015 till 16.03.2020 inclusive. Declaration of compliance of RealPresence Digital Breakout, Codec: TC No RU.JU.445.A955.B.00151. It is valid from 17.03.2015 till 16.03.2020 inclusive.

- 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 material, under normal use and service, for one year from the date of purchase from Polycom on 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 two foregoing options are reasonably available, Polycom may, at its sole discretion, return 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, negligent 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.

** WARRANTY EXCLUSIVE. IF A POLYCOM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER’S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT POLYCOM’S OPTION TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. POLYCOM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

** DISCLAIMER. Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties on the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.**

**GOVERNING LAW. This Limited Warranty and Limitation of Liability shall be governed by the laws of the State of California, U.S.A., and by the laws of the United States, excluding their conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is hereby excluded in its entirety from application to this Limited Warranty and Limitation of Liability. All rights reserved under International and Pan-American Copyright Conventions. No part of the contents of this manual may be copied, reproduced, or transmitted in any form or by any means, or translated into another language or format, in whole or part, without written consent from Polycom, Inc. Do not remove (or allow anybody else to remove) any product identification, copyright or other notice. Polycom, the Polycom logo design, and EagleEye are trademarks of Polycom, Inc. in the U.S. and various other countries. **

**COPYRIGHT. All rights reserved under International and Pan-American Copyright Conventions. No part of the contents of this manual may be copied, reproduced, or transmitted in any form or by any means, or translated into another language or format, in whole or part, without written consent of Polycom, Inc.**

Polycom® and the logo design are registered trademarks and EagleEye is a trademark of Polycom, Inc. in the United States, and various countries. Do not remove (or allow any third party to remove) any Polycom product identification, copyright or other notices.

**MANUFACTURER**

Polycom Inc.

6001 America Center Drive

San Jose, CA, 95020, USA

Tel: +1 408 526 9000

Moscow Business Center “Paveletskaya Plaza”

Email: enquiries@polycom.com

**AUTHORIZED REPRESENTATIVE**

Polycom LLC

Paveletskaya Square

Bld 2, Block 2, 2nd Floor

Tel: +7 495 2131 237

Email: Alexey.Gorbunov@polycom.com

**CUSTOMER SUPPORT**

To request assistance, visit Polycom Support Portal Assistance.