**RC8-CQC™ Application Guide**

**Module Dimensions**
- RC8-CE™: 1.625"H x 7.5"W x 4.375"D
- RC8-HE™: 1.375"H x 9.25"W x 5.375"D

**LINK Cable Specs**
- Integrator-Supplied CAT6 STP Cable
- EIA568A or EIA568B (Min. 30' to 300' Max)

**RJ45 Pinout**

**Important:** Due to the power demands of Cisco's QuadCam, it is best practice to utilize SCT's provided RC-RKL™ rack shelf to facilitate ventilation.

**Cisco Quadcam**

**Power Supply**
- WPS-48 48VDC
- 100-240V-47-63Hz

**LINK Cable**
- Power, Control, Audio & Video

**Cisco Touch10**
- Ethernet/POE
- *Cisco Provided*

**RC8-CE™**

**RCC-C037-0.3M**
- 1' Angled UTP Cable

**PPC-018**
- 1' Power Cable

**RCC-C014 [2]**
- 1' Angled HDMI Cables

**WPS-48 48VDC**
- 100-240V-47-63Hz
- Power Supply

**RCC-H016**
- 3' UTP Cable

**RCC-H001 [2]**
- 3' HDMI Cables

**Cisco Codec Plus, Codec Pro & SX80**
TEST YOUR SCTLink™ CABLE

We highly recommend using an Ethernet Network Tester/Analyzer alongside our provided PowerSniffer to confirm your SCTLink™ wiring. Our PowerSniffer only tests conductor continuity and will not identify data integrity or capacity issues.

1. Test and verify your CAT6 STP or FUTP SCTLink™ cable for UTP 568A/568B. This cable must be between 30ft - 300ft. The SCTLink™ cable between the RC8-CE module (transmitter) & RC8-HE module (receiver) must always be a single, point-to-point CAT cable with no couplers or interconnections.
2. Connect the provided PowerSniffer to the Quad Camera end of your CAT6 STP or FUTP SCTLink™ cable.
3. Connect the other end of the SCTLink™ cable to the blue “SCTLink™” connection on the Head End module.
4. Connect the WPS-48 power supply to the Head End module.
5. Connect the WPS-48 power supply to AC mains.
6. If the SCTLink™ cable is properly terminated, it will display eight GREEN LEDs. If you get any other result, stop and re-terminate cable.
7. Once your SCTLink™ cable has been tested, please disconnect the WPS-48 power supply from the RC8-HE module, and the PowerSniffer from the SCTLink™ cable, before proceeding to install.

INSTALL THE EXTENSION KIT

Connect the camera-end cables:

1. Connect the RCC-C014 HDMI cables between the Quad Camera’s HDMI 1 & 2 connectors RC8-CE’s “HDMI 1” and “HDMI 2” ports.
2. Connect the RCC-C037-0.3M UTP cable between the Quad Camera’s RJ45 Ethernet port and the RC8-CE’s Ethernet port.
3. Connect the PPC-018 power cable between the Quad Camera’s power connector and the RC8-CE’s “12VDC Output” port.

Connect the codec-end cables:

4. Connect two 3 ft RCC-H001 HDMI cables between the codec’s HDMI camera inputs and the RC8-HE’s corresponding “HDMI Out 1 A” and “HDMI Out 2 A” port.
5. Connect the 3ft RCC-H016 UTP control cable between the codec’s RJ45 camera Ethernet port and the RC8-HE’s “Ethernet 1”.

Connect and Initiate the Extended System:

6. Connect one end of your CAT6 STP/FUTP SCTLink™ cable to the RC8-HE module’s blue “SCTLink™” port.
7. Connect the other end of the CAT6 STP/FUTP SCTLink™ cable to the RC8-CE module’s blue “SCTLink™” port.
8. Connect the WPS-48 power supply to the RC8-HE.

• ALLOW UP TO TWO MINUTES FOR THE QUAD CAMERA SYSTEM TO INITIALIZE •

Installation Status - Refer to our modules’ LEDs for installation status.
For assistance troubleshooting INACTIVE LED statuses, please contact Tech Support at 203-854-5701.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>LED LABEL</th>
<th>ACTIVE STATUS</th>
<th>INACTIVE STATUS</th>
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<tbody>
<tr>
<td>RC8-CE</td>
<td>OK LED 1 &amp; 2</td>
<td>Blinking Green (~1 second interval)</td>
<td>Blinking or Solid Red</td>
</tr>
<tr>
<td>RC8-HE</td>
<td>OK LED 1 &amp; 2</td>
<td>Blinking Green (~1 second interval)</td>
<td>Blinking or Solid Red</td>
</tr>
<tr>
<td>RC8-HE</td>
<td>LINK LED</td>
<td>Solid Blue</td>
<td>Solid Red or Dormant</td>
</tr>
<tr>
<td>RC8-HE</td>
<td>HDCP 1 &amp; 2</td>
<td>Blinking Green</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Cable Table - Part numbers, descriptions and functions of all SCT cables provided for the RC8-CQC™.
This kit is also inclusive of [1] RC-RKL™ Rack Shelf.

<table>
<thead>
<tr>
<th>CABLE</th>
<th>DESCRIPTION</th>
<th>FUNCTION</th>
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<tr>
<td>RCC-C014</td>
<td>1’ HDMI Cables</td>
<td>Video connection between Quad Camera and RC8-CE module.</td>
</tr>
<tr>
<td>RCC-C037-0.3M</td>
<td>1’ Angled UTP Cable</td>
<td>Control connection (Ethernet) between Quad Camera and RC8-CE module.</td>
</tr>
<tr>
<td>PPC-018</td>
<td>1’ Power Cable</td>
<td>Power connection between Quad Camera and RC8-CE module.</td>
</tr>
<tr>
<td>RCC-H001</td>
<td>3’ HDMI Cables</td>
<td>Video connection between the codec and RC8-HE module.</td>
</tr>
<tr>
<td>RCC-H016</td>
<td>3’ UTP Cable</td>
<td>Control connection (Ethernet) between the codec and RC8-HE module.</td>
</tr>
</tbody>
</table>

Power Supply Specifications (AC-Mains Side): Input Voltage: 100VAC to 240VAC 47Hz to 63Hz. Efficiency: 85% minimum. Turn-on Surge: Less than 60 amperes for a duration less than 1mS. Power Factor: 0.9 minimum (where applicable). 48VDC power supply uses 2.80 amperes AC maximum. All specifications subject to change without notice.

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