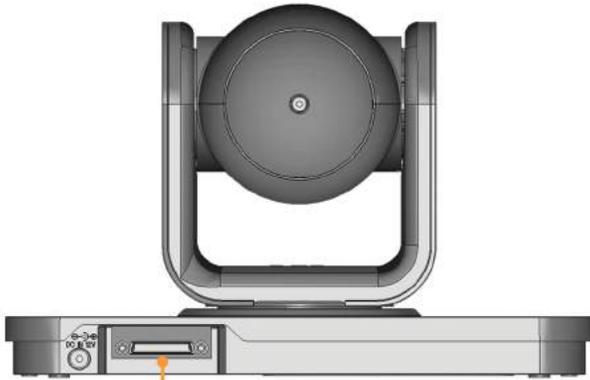




Poly EagleEye IV



RCC-C030-0.4M
HDMI/RJ45 to Mini-HDCI Cable

Dipswitch Positions
Please refer to
RC-SDA™ (2021) FAQ



Module Dimensions

RC4-CE™: H: 0.93" (23mm) x W: 2.5" (63mm) x D: 3.741" (95mm)

RC4-HE™/RC-SDA™: H: 1.504" (38mm) x W: 3.813" (96mm) x D: 3.617" (91mm)

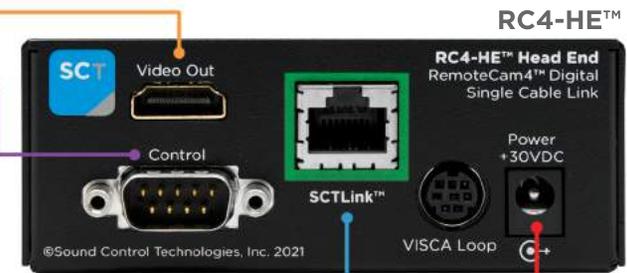
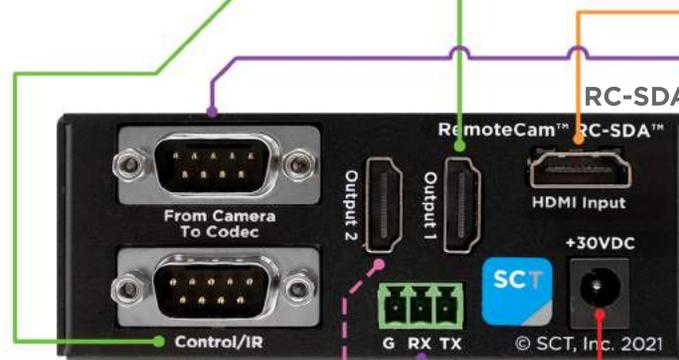
Poly RPG300, RPG500, RPG700 & RPG7500



RCC-H030-1.0M*
HDCI to HDMI/9 Pin Cable
*supplied *only* with RC4-E4P™ kit.

RCC-M001-1.0M
DB9 to DB9 RS232

RCC-H001-1.0M
HDMI Cable



WPS-12 30VDC
100-240V 47-63Hz
Power Supply

WPS-12 30VDC
100-240V 47-63Hz
Power Supply

RCC-M002-1.0M
DB9 to 3 Pin Plug



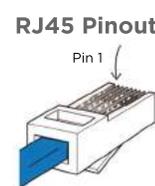
Laptop

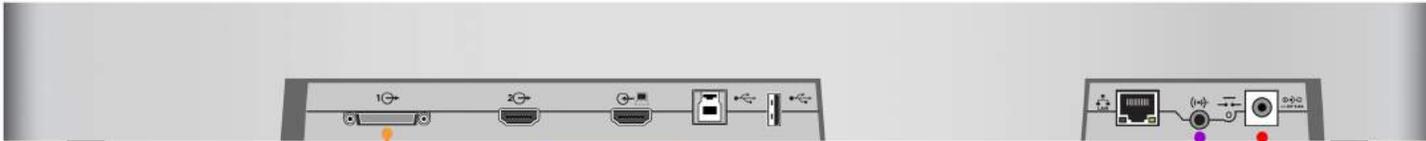
HDMI to USB
Converter

SCTLink™ Cable

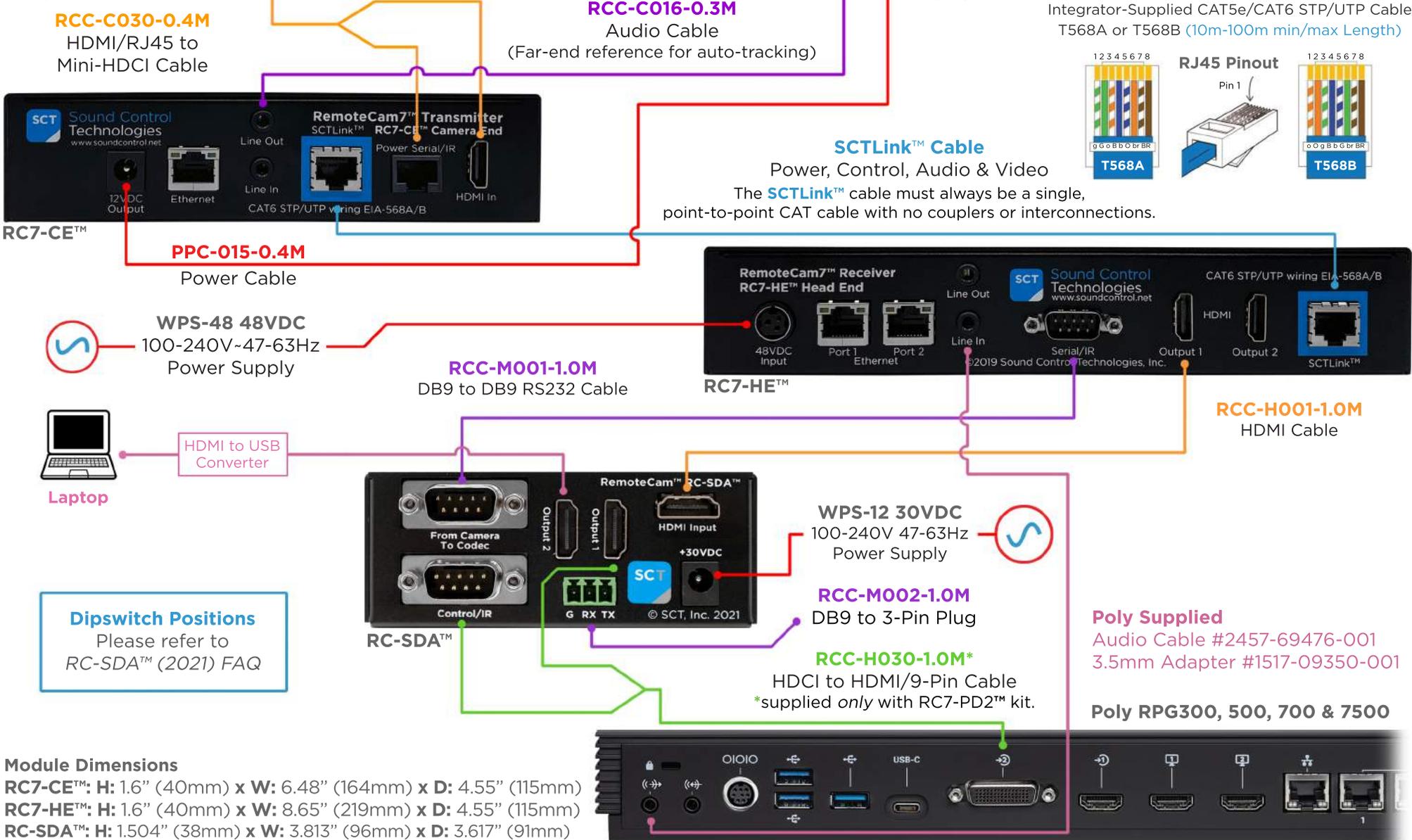
Power, Control, Audio & Video
The **SCTLink™** cable must always be a single, point-to-point
CAT cable with no couplers or interconnections.

SCTLink™ Cable Specs
Integrator-Supplied CAT5e/CAT6 STP/UTP Cable
T568A or T568B (10m-100m min/max Length)



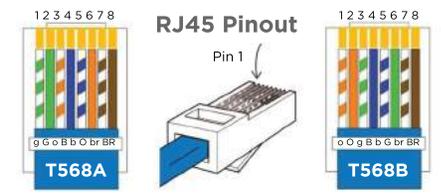


Important: Due to the power demands of Poly's Director II, it is best practice to utilize SCT's provided **RC-RKM™** rack shelf to facilitate ventilation.



SCTLink™ Cable Specs

Integrator-Supplied CAT5e/CAT6 STP/UTP Cable T568A or T568B (10m-100m min/max Length)



SCTLink™ Cable

Power, Control, Audio & Video
The **SCTLink™** cable must always be a single, point-to-point CAT cable with no couplers or interconnections.

Dipswitch Positions

Please refer to RC-SDA™ (2021) FAQ

Poly Supplied
Audio Cable #2457-69476-001
3.5mm Adapter #1517-09350-001

Poly RPG300, 500, 700 & 7500

Module Dimensions
 RC7-CE™: H: 1.6" (40mm) x W: 6.48" (164mm) x D: 4.55" (115mm)
 RC7-HE™: H: 1.6" (40mm) x W: 8.65" (219mm) x D: 4.55" (115mm)
 RC-SDA™: H: 1.504" (38mm) x W: 3.813" (96mm) x D: 3.617" (91mm)



Q: What does the RC-SDA™ do?

A: This module provides dual output paths from the digital video source, plus provides 2 independent RS232 control inputs to the attached camera. The system is optimized for use with Poly/Polycom camera output and camera input requirements.

Q: Why does the RC-SDA™ have 2 HDMI outputs?

A: The RC-SDA™ makes 2 “copies” of the digital video signal input and sends those copies to the HDMI outputs. The Poly/Polycom codec should always be connected to Output 1 to ensure compatibility. Output 2 can be connected to an external monitor or HDMI to USB video converter for soft codec applications.

Q: Why are there two serial inputs and only one output?

A: The RC-SDA™ provides an RS232 port to connect to an RC4-HE™ (Head-End Receiver) or RC7-HE™ (Head-End Receiver) allowing serial control of an attached camera or camera system. There is a “pass-through” RS232 input intended to come from a host codec camera control path.

There is also a “direct” RS232 input intended to come from a serial control system (e.g., Extron, Crestron, AMX) to control the attached camera directly (camera control-code provided by others).

Q: Does the RC-SDA™ support far-end camera-control (FECC)?

A: Yes, when used with a Poly/Polycom codec as the primary host, the FECC is supported as a “pass-through” RS232 control channel to the camera. In this way, a control-system (specifically, Extron, Crestron, and AMX) may be used to directly control the camera, yet the control path from the codec to camera is not compromised.

Q: I’m not using a Poly/Polycom codec and my EagleEye Director 2 (EED2) goes to sleep after 3 minutes. What can I do?

A: RC-SDA™ has an intrinsic “keep awake” mode (called Director-II mode) for the EED2. It allows for a dual-use application of the camera system, such as transitioning to a soft-codec environment or using the EED2 with a video switcher front-end to a video processor. Switch 5 should be in the ON (UP) position and switch 6 in the ON (UP) position to enable this mode.

Q: I have changed the DIP switch settings, but nothing changes in the RC-SDA™. What’s wrong?

A: The RC-SDA™ “reads” the DIP switch setting during the power-up initialization and at no other time. To change the RC-SDA™ mode of operation, one should remove power, change the switch setting, and then re-apply power.

Q: My control system doesn’t act upon the attached Poly/Polycom EagleEye IV camera. What’s wrong?

A: The control system communicating with the Poly/Polycom camera must use the appropriate control codes for that camera. Poly/Polycom uses a special communication

language that is embedded in locked modules provided by AMX, Crestron, and Extron respectively. Also, make sure the control system's RS232 port is set to 9600 8/E/1, or there will be no communications to the Poly/Polycom camera.

Q: What is the Micro SD slot for?

A: The Micro SD slot on the RC-SDA™ allows for field upgradable firmware and diagnostics.

Q: What do the DIP switches do?

A: The following chart shows the functions of the 8 position DIP switch:

Switch	Function	OFF	ON
1	Reserved for future use		
2	3-Pin (RS232) Mode	9600, 8/N/1 (VISCA)	9600, 8/E/1 (POLY)
3	3-Pin Listen Mode	RS232 responses from the camera are Disabled	RS232 responses from the camera are Enabled
4	Codec DB9 (RS232) Mode	9600, 8/N/1 (VISCA)	9600, 8/E/1 (POLY)
5	Camera DB9 (RS232) Mode	9600, 8/N/1 (VISCA)	9600, 8/E/1 (POLY)
6	Poly Director-II Mode	Disabled	"Keep Alive" Enabled
7	Reserved for future use		
8	Reserved for future use		

Q: What do the S1 and S2 switches do?

A: S1 and S2 are momentary pushbuttons on the front of the RC-SDA™.

S1 triggers a camera reset and re-initializes the tracking mode of the EED2 when the RC-SDA™ is in Director-II mode.

S1 is also used to initiate firmware upgrades and write log files to the Micro SD card. Refer to the "RC-SDA (2021) Firmware/Log Guide" at www.soundcontrol.net for details.

S2 is reserved for future use.

Q: I'm sharing the EED2 with a Poly/Polycom codec and a soft codec PC application. Why does my EED2 camera keep shutting off and turning around backwards?

A: Your Poly/Polycom codec may have a sleep timer set which causes the EED2 to sleep as well. You should turn off the sleep time in the codec web interface. See example:

