Sound Control Technologies

RC-SDA5+™ Camera Bridge
Product Specification

Updated: 10/24/2025



The RC-SDA5+™, when paired with an RC5-CE™ module, extends supported Ethernet cameras up to 100m away over a single CAT cable. Full IP control, power, and HDMI video are provided over the link.

The RC-SDA5+™ converts video and analog audio to USB for soft-codec applications, and also converts computer PTZ camera commands (UVC) to IP for camera control.

A multitude of audio routing options and a field-upgradeable firmware slot provide the utmost flexibility.

KEY FEATURES

- Extends power (no factory camera PSU required), PTZ control and video over a CAT5e/CAT6 cable between 10m-100m.
- Converts HDMI video and audio to USB 3.0.
- Translates UVC PTZ Control commands to VISCA, Panasonic, or Cisco commands*.
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- Adds BYOD support to traditional camera/codec systems.
- Integrated 1x2 HDMI Distribution Amplifier.
- Integrated RS232 Port to enable camera control via third party control systems.
- Field-upgradable firmware via microSD Card.
- In high security environments, the microSD Card slot can be permanently disabled.
- 8 position Dip Switch for configuration flexibility.

*Cisco camera support requires a Cisco codec.

TECHNICAL SPECS

- Video Format: HDMI, up to 4K@30 with HDCP support
- Ethernet Connectivity: 10/100 Two Port Layer 2 Ethernet Switch
- RS232 3-Pin: Third Party Control System
- USB Unified: USB 3.0 Type A jack for Video/ Audio to/from Computer
- USB Audio: USB 2.0 Type A jack for Dedicated Computer Audio In/Out
- Audio In 3-Pin: Unbalanced Line Level Audio Input
- Audio Out 3-Pin: Unbalanced Line Level Audio Output

SCTLINK™ CABLE SPECS

Cable Type	Max Video resolution	Range (typical)
CAT6A	4K@30Hz	100m
CAT5e/CAT6	4K@30Hz	70m
	1080p@60Hz	100m

MODULE & POWER SUPPLY SPECS

RC-SDA5+™ Module

- Imperial Dims: H: 1.28” x W: 9.47” x D: 4.88”
- Metric Dims: H: 33mm x W: 241mm x D: 124mm
- Weight: 1.2 lbs / 545g
- Power Consumption: 12.0W linked, *plus* the power consumption of the attached camera.

WPS-12™ Power Supply (Included)

- Imperial Dims: H: 1.19” x W: 1.85” x D: 4.65”
- Metric Dims: H: 30mm x W: 47mm x D: 118mm
- Weight: 0.5 lbs / 236g
- Input: 100 to 240VAC, 47-63Hz, 1.45A Max
- Output: 30VDC, 2A Max
- Output Connector: 5.5mm x 2.5mm DC Barrel
- Regulatory Approvals:

  UL, CE, FCC, CCC, TÜV, RCM+GEMS, LPS, BIS, PSE, CB, DoE VI, CoC V5 & RoHS2

SUPPORTED DEVICES

www.soundcontrol.net/product/rc-sda5+

Cameras

Atlona, AVer, Barco, Cisco, ClearOne, Huddlecam, Lifesize, Lumens, Marshall, Minrray, Panasonic, PTZ Optics, QSC, Sony, VDO360 & VHD

Codecs

Cisco, ClearOne, and other generic codecs.

Controllers

Sony RM-IP10 & Sony RM-BR300

RACK SHELVES

RC-RKM™ 2RU 12” Deep Rack Shelf
www.soundcontrol.net/product/rc-rkm-rack-shelf

- Designed to mount the RCU2-HE™, RC4-HE™, RC5-HE™, RC6-HE™, RC7-HE™, RC8-HE™, RTK-RX™ and RC-SDA™ modules, specific manufacturer codecs, and power supplies.
- Leaves access to rear of modules for clean and easy cabling, while providing proper ventilation.

PRODUCT WARRANTIES

www.soundcontrol.net/support

Included: 3 Year Standard Advance Replacement Limited Warranty

Available: 2 Year Extended Advance Replacement Limited Warranty

SOLUTION FINDER

Not sure where to start? Try our Solution Finder!
www.soundcontrol.net/solution-finder