

Sound Control Technologies

RCU3SL™ Platform
Product Specification

Updated: 11/12/2025

Sound Control Technologies (SCT) USB camera extension kits are designed to streamline the integration of USB PTZ cameras requiring UVC or RS232 VISCA control.

By simplifying complex cabling and extending traditional distance limitations up to 100m, SCT's extension kits provide integrators with cost and time saving solutions.

KEY FEATURES

- Extends camera power (no factory camera PSU required), PTZ control, audio and video over CAT6A cable up to 100m.
- Simple Plug & Play installation, no programming required.
- Allows pass-through of manufacturer firmware updates from codec to camera.
- All hardware-specific camera and codec connection cables included.
- PowerSniffer included for testing SCTLink™ cable conductor continuity.
- Integrator only required to provide CAT6A SCTLink™ Cable.
- Field-upgradable firmware via microSD Card.

TECHNICAL SPECS

- Video Format: USB Video up to 4K@30
- UVC & RS232 Visca Camera Control
- USB Tier Usage: 1 tier (hub) per linked set
- +12VDC Out Connector (RCU3SL-CE™): RJ11 Female for Power (12V Camera Power up to 3A)
- Control/IR Connector (RCU3SL-CE™): RJ45 Female for Data/Power (12V or 5V Camera Power up to 3A)
- Control/IR Connector (RCU3SL-HE™): 9-Pin D-Sub Male
- USB Connector (RCU3SL-CE™): Locking USB-C 3.2 Gen 1 plus Power Delivery (PD) 5V/9V/12V @3A or 15V @2.4A (36W maximum)
- USB Connector (RCU3SL-HE™): Locking USB-C 3.2 Gen 1 for Host Connection
- USB Data Rate: Up to 5Gbps

SCTLINK™ CABLE SPECS

Cable Type	Link Rate	Range (typical)
CAT6A (U/FTP)	6 Gbps symmetrical	100m
CAT6 (UTP)	6 Gbps symmetrical	70m
CAT5e (UTP)	6 Gbps symmetrical	50m

The above guidelines represent what has been tested to consistently and reliably operate properly at the given resolutions. While not as critical when the cable length is shorter, as the length of the cable increases, the necessity for proper cable management and termination practices also increases. Actual system performance may be dependent on cable manufacturers' adherence to published specifications.

For best results, please refer to the following best practices during the installation of cabling:

- Adhere to minimum bend radius for the chosen cabling.
- Avoid coiling of cable (coiling can result in crosstalk)
- Properly terminate shielded cable with shielded connectors and connect the shield at both ends.
- Avoid tightly bundling cables with other cables to avoid crosstalk interference.

Wiring Termination Standard T568A or T568B
100m Maximum Length (No Minimum Length)

Power Consumption
A linked kit will consume 6.3W, *plus* the power consumption of the attached camera.

MODULE & POWER SUPPLY SPECS

RCU3SL-CE™ Camera End Module

- Imperial Dims: H: 0.789” x W: 2.264” x D: 3.725”
- Metric Dims: H: 20mm x W: 57mm x D: 94mm
- Weight: 0.2 lbs / 105g

RCU3SL-HE™ Head End Module

- Imperial Dims: H: 1.448” x W: 3.814” x D: 3.815”
- Metric Dims: H: 36mm x W: 96mm x D: 100mm
- Weight: 0.4 lbs / 179g

WPS-30V2A™ 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/products/camera-extension-kits/remotecamusb3-platform

CAMERA-SPECIFIC MOUNTS

RCM™ Series On-Wall Mounts
www.soundcontrol.net/products/camera-mounts/rcm-on-wall-mounts

- Integrate mounting of the camera and the RCU3SL-CE™ Camera End Module.
- Camera plates are laser cut to match the contour of the camera base.
- Cleanest mounting solution available, using an integrator-supplied US standard 2-Gang Box or Low Voltage Ring.
- Provides cable concealment and ease of installation.
- An RCW™ Series variant is also available for masonry or other solid walls where a 2-Gang Box or Low Voltage Ring cannot be used.

RCR™ Series In-Wall Recessed Mounts
www.soundcontrol.net/products/camera-mounts/rcr-recessed-mounts

- Integrate mounting of the camera and the RCU3SL-CE™ Camera End Module.
- Three-piece all-metal solution with a common back box and bezel.
- Camera plates are laser cut to match the contour of the camera base.
- Designed to meet ADA compliance in most cases (camera dependent).

RCS™ Series Sheetrock Ceiling Mounts
www.soundcontrol.net/products/camera-mounts/rcs-sheetrock-ceiling-mounts

- Integrate mounting of the camera and the RCU3L-CE™ Camera End Module.
- Three-piece all-metal solution with a common Backbox.
- Camera specific with a custom cradle or a ¼ 20 bolt to securely hold the base of the camera.

RCT™ Series T-Bar Ceiling Mounts
www.soundcontrol.net/products/camera-mounts/rct-t-bar-ceiling-mounts

- Integrate mounting of the camera and the RCU3SL-CE™ Camera End Module.
- Three-piece all-metal solution with a common T-Bar Bracket.
- Camera specific with a custom cradle or a ¼ 20 bolt to securely hold the base of the camera.

RACK SHELVES

www.soundcontrol.net/products/rack-shelves/

- SCT’s Rack Shelves accommodate a variety of module types and codecs, 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

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