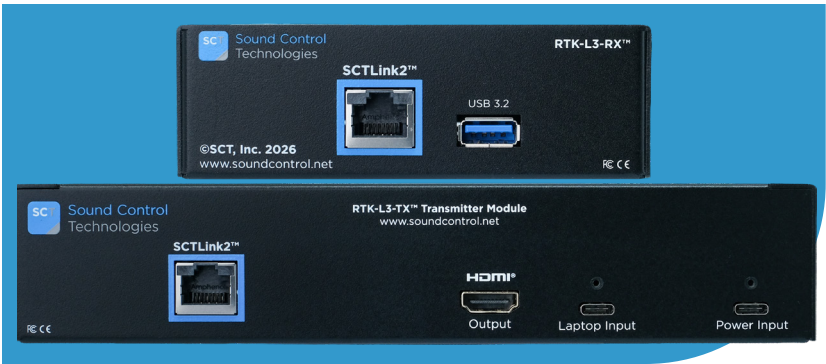




Sound Control Technologies

RTK-L3™ Platform
Product Specification

Updated: 6/24/2026

The RTK-L3 extends USB 3.2 signals up to 100m on a single category cable. The transmitter’s USB-C laptop connection provides up to 91W charging and, when paired with an SCT HDMI TableKit extender, supports DP Alt Mode audio & video transmission.

KEY FEATURES

- Extends USB 3.2-Gen1 signals over CAT6A cable up to 100m.
- Extracts video & audio from DP Alt Mode to a standard HDMI output.
- Up to 91W of power supplied to laptop.
- Simple Plug & Play installation, no programming required.
- 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
- Passes UVC Visca Camera Control
- USB Tier Usage: 1 tier (hub) per linked set
- USB Connector (RTK-L3-TX™): Locking USB-C jack supporting USB Video, audio, power, and DisplayPort Alt-mode video.
- Video Format: DisplayPort 1.4a Receiver Interface, HDMI Out 4K@60 4:4:4, HDCP v1.4, v2.2, and v2.3 support
- Power Input: Locking USB-C, 20V@5A
- USB Data Rate: USB 3.2-Gen1, up to 5Gbps

SCTLINK™ CABLE SPECS

Cable Type	Link Rate	Range (typical)
CAT6A (U/FTP)	5 Gbps symmetrical	100m
CAT6 (UTP)	5 Gbps symmetrical	70m
CAT5e (UTP)	5 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 8W.

MODULE & POWER SUPPLY SPECS

RTK-L3-TX™ Camera End Module

- Imperial Dims: H: 1.73” x W: 8.35” x D: 4.69”
- Metric Dims: H: 44mm x W: 212mm x D: 119mm
- Weight: 0.9 lbs / 410g

RTK-L3-RX™ Head End Module

- Imperial Dims: H: 1.46" x W: 4.41" x D: 4.65"
- Metric Dims: H: 37mm x W: 112mm x D: 118mm
- Weight: 0.5 lbs / 212g

WPS-USBC-100W™ Power Supply (Included)

- 100-watt USB Power Delivery PD 3.0
- Imperial Dims: H: 1.00" x W: 2.56" x D: 5.51"
- Metric Dims: H: 25mm x W: 65mm x D: 140mm
- Weight: 0.7 lbs / 325g
- Input: 100 to 240VAC, 50-60Hz, 1.6A Max
- Output: 5VDC or 9VDC or 12VDC or 15VDC or 20VDC, 5A Max
- Output Connector: USB-C
- Regulatory Approvals: UL, cUL, CE, FCC, GS, TUV
- 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



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