

SCU21T-KVM

79121-KVM Data Sheet

TEKVOX's SCU21T-KVM is a 4K 2x1 HDMI/USB-C switcher with simultaneous HDMI and HDBaseT video outputs, audio de-embedding, and automatic source detection & switching. The switcher is capable of transmitting 4K video, audio, RS232 control, bi-directional 48V PoC, USB camera/microphone feeds, and Ethernet LAN up to 100m (328ft) via HDBaseT. Connected user laptops can access and use any USB devices connected to the DEVICE ports on either the switcher or its receiver, and the USB-C input supports up to 60W charging for connected devices.

With its streamlined yet versatile design, the SCU21T-KVM is the perfect switcher for sophisticated, modern video conferencing in any space and any application.

Features:

- HDMI and USB-C (with 60W charging) video inputs
- USB-B and USB-C USB hosts for video conferencing and touchscreen connection
- Supports 4Kx2K@60Hz 4:4:4 resolutions, HDR10
- Supports automatic source detection and switching
- Controllable via RS232, CEC, or front panel buttons
- Simultaneous HDMI and HDBaseT video outputs
- 100m (328ft) HDBaseT transmission with bi-directional 48V PoC
- Shipped fully functional, pre-programmed, and rigorously tested



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79121-KVM Technical Specifications

	Transmitter	Receiver
Video		
Inputs	1x HDMI (19-pin, Type-A, Female) 1x USB-C (Type-C, Female)	1x HDBaset (RJ45, Female)
Input Resolution	HDMI: Up to 4Kx2K @ 60Hz 4:4:4, HDR10, Dolby Vision USB-C: Up to 4Kx2K @ 60Hz 4:4:4	Up to 4Kx2K @ 60Hz 4:2:0
Outputs	1x HDMI (19-pin, Type-A, Female) 1x HDBaset (RJ45, Female)	1x HDMI (19-pin, Type-A, Female)
Output Resolution	HDMI: Up to 4Kx2K @ 60Hz 4:4:4, HDR10, Dolby Vision HDBaset: Up to 4Kx2K @ 60Hz 4:2:0	Up to 4Kx2K @ 60Hz 4:4:4, HDR10, Dolby Vision
Compliances	HDMI: Up to 2.0b HDCP: Up to 2.2	
Audio		
HDMI Embedded Audio Format	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through	
Audio Output	1x Balanced Stereo (5-pin terminal block)	1x Balanced Stereo (5-pin terminal block)
Control		
Control Ports	1x EDID Switch (4-pin DIP switch) 2x DEVICES (USB 3.0, Type-A, Female) 1x ETHERNET (RJ45, female) 1x Firmware (Micro-USB, Female) 1x HOST (USB 3.0, Type-B, Female) 2x GR (3-pin terminal block) 2x RS232 (3-pin terminal block) 1x TCP/IP (RJ45, Female)	3x DEVICES (USB 2.0, Type-A, Female) 1x DEVICES (USB2.0, Type-C, Female) 1x ETHERNET (RJ45, Female) 1x RS232, 3-pin terminal block)
General		
Operating Temperature	23 ~ 131°F (-5 ~ 55°C)	
Operating Humidity	10 ~ 90%	
Power Supply	Input: AC 100 ~ 240V, 50/60Hz Output: DC 24V, 5A	
Power Consumption	76.5W (max)	
USB-C Charging Power Delivery	60W (max)	
Product Dimensions	10.4" (265mm) x 5.9" (150mm) x 1.3" (32mm)	6.8" (173mm) x 3.7" (95mm) x 0.96" (24.5mm)
Product Weight	2.25lbs. (1020g)	0.9lbs. (410g)

Specifications are subject to change without notice