



# kramer

## SWT3-22-HU-WP-T

2x2 4K60 USB-C/HDMI Wall-plate Switcher  
Transmitter

| HDMI | Ethernet - RJ-45 | HDBaseT  
| 4K/60 UHD (4:4:4)



SWT3-22-HU-WP-T is a high-performance auto-switcher transmitter with one USB-C and one HDMI/USB inputs and independently routable HDMI and extended-range HDBaseT 3.0 outputs, that extends 4K60Hz (4:4:4) HDMI, USB 2.0, Ethernet, RS-232, IR and power signals over twisted pair cable to a remote compatible receiver. The local and remote connected USB peripherals, such as a room camera and microphone, are switchable for use of the switcher active USB host, for convenient hybrid meeting operation with both room and online participants

## FEATURES

**Hybrid-meeting Collaborative Switching** - Controllable coupled-signals switching of both AV and USB host inputs, for concurrent connection with AV output and space USB devices, allows collaborative hybrid meeting where multiple meeting participants are switched to share their content with both room and online meeting participants

**BYOD Ease and Convenience** - Connect any DP-Alt-Mode-capable USB-C device as an AV presentation source, while providing the connected device with USB 2.0 and Ethernet connection, and (if PD-2.0-capable) up to 60 watts of power, via a single USB-C cable connection only

**High Performance Standard Extender** - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. SWT3-31-HU-TR is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

**HDMI Signal Switching** - HDCP 2.3 compliant, supporting deep color, x.v.Color™, CEC, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

**Flexible USB Switching and Extension** - An active USB 3.2 host is connected to the switcher transmitter on either the transmitter or receiver sides. USB 2.0 signals are extended between the switcher transmitter and receiver sides, enabling connection and switching of the active USB host to both local USB 3.1 and remote USB 2.0 devices, such as camera and audio devices, or HID (Human Interface Devices) mouse or keyboard devices

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation

**Multi-channel Audio Transmission** - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

**Audio De-embedding** - The digital audio signal passing-through to the output, is de-embedded, converted to an analog signal and sent to the stereo balanced analog audio output. This enables playing the audio on a locally connected professional audio system (such as DSP) and speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers)

**K-Pair Support:** - Automatically switches upon connection or disconnection of a local or extended input

**Auto Switcher Ease of Use** - Automatically plays the signal of the plugged source on the connected display with either last-connected or priority-based pre-selection

**Easy Online Meeting System Integrated Connectivity** - Built-in flexible auto-disconnection operation of USB devices, such as room cameras and soundbars, enable detection of BYOD presenter disconnection by online meeting systems for their auto-activation, convenient integration, and ease of end-user operation according to space changing hybrid sessions needs

**Display On/Off Operation** - Meeting presentation is simplified by manually or automatically turning ON/OFF a CEC-enabled or serially-controlled display when the presentation source is plugged in / unplugged with user-defined shut-down delay

**Simple Control** - Remote IP-controller connection, browser operation webpage, local panel buttons, or remotely connected contact-closure buttons, for easy and fully flexible user ports selection, signals routing, and switcher control

**Built-in Intelligent Control Gateway** - Remote IP-driven intelligent control of connected AV, USB and sensor devices via CEC, RS-232, IR or I/O. Eliminating the need for an external control gateway, this feature reduces installation complexity and costs, to enable easy integration with control systems, such as Kramer Control

**Ethernet Extension** - Ethernet interface data flows in both directions, allowing extension of up to 1 Gbps Ethernet connectivity for LAN communication and device control

**Bidirectional RS-232 Extension** - Serial interface data flows in both directions, allowing data transmission and device control

**Secured Network Connection** - Standard IT-grade 802.1x authentication for secured IT LAN connectivity

**Comprehensive Management** - Local panel indication LED to facilitate easy local maintenance and troubleshooting. Remote IP-driven firmware upgrade and management via user-friendly embedded web pages and optional whole site management system, ensure lasting and field proven deployment

**Easy and Elegant Installation** - Compactly fits into standard WW 2-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective



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## TECHNICAL SPECIFICATIONS

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Inputs	1 DP Alt Mode & PD 3.0 USB-C: On a USB type-C female connector 1 HDMI: On an HDMI female connector
Outputs	1 HDBT PoE accepting: On an RJ-45 female connector 1 HDMI: On an HDMI female connector 1 Balanced Stereo Audio Line: On 5-pin terminal block connector
Ports	2 USB 3.2 Host: On USB-C female connectors 2 USB 3.2 Device: On USB type-A female connectors 1000BaseT Ethernet: On an RJ-45 female connector for LAN connection & extension 1 RS-232: On a 3-pin terminal block 2 GPIO: On a 2-pin terminal block
Extension Line	Reach: Up to 100m (330ft), using Kramer HDBaseT cables Standards Compliance: HDBaseT 3.0
Video	Max Data Rate: 18Gbps bandwidth (6Gbps per graphic channel) Max Resolution: 4K@60Hz (4:4:4) resolution Content Protection: HDCP 2.3 HDMI Support: Deep Color, 3D, HDR as specified in HDMI 2.0b
USB Features	USB 3.2 Data Rate: Up to 10Gbps Integrated USB Hubs: 1 Standards Compliance: USB 3.2 GEN 2, 2.0 and 1.1
Extended USB	USB 2.0 Data Rate: Up to 480Mbps Transmitted Data Bandwidth: Up to 300Mbps Standards Compliance: USB 2.0 and 1.1
Extended Ethernet	Max Data Rate: 1 Gbps
Extended RS-232	Baud Rate: 300 to 115200
Analog Audio	Max Output Signal Level: 15dBu Impedance: 500Ω Bandwidth: 20Hz — 20kHz THD + N: 0.002% @1kHz at nominal level S/N Ratio: -93dB, 20Hz — 20kHz Coupling: DC
Power	Power Adapter: Source: 20VDC 6A Consumption: 4.4A

Max. Power: 84W

USB-C Charging  
Max. Power: 60W

Compliance: PD 3.0

USB Device Charging  
Max. Total Current: 2A

Environmental  
Conditions

Operating Temperature: 0° to +40°C (32° to 104°F)

Storage Temperature: -40° to +70°C (-40° to 158°F)

Humidity: 10% to 90%, RHL non-condensing

Regulatory  
Compliance  
(Standards  
Compliance)

Safety: CE, UL

Environmental: RoHs, WEEE

Enclosure

Size: WW 2 Gang

Material: Aluminum

Cooling: Fan Ventilation

Product Dimensions 15.00cm x 8.00cm x 4.70cm (5.91" x 3.15" x 1.85" ) W, D, H

Product Weight 0.3kg (0.7lbs) approx

Shipping Dimensions 33.50cm x 29.10cm x 8.90cm (13.19" x 11.46" x 3.50" ) W, D, H

Shipping Weight 1.2kg (2.7lbs) approx





## CONFIGURATIONS

SWT3-22-HU-WP-T/EU(W) 2x2 4K60 USB-C/HDMI Wall-plate Switcher Transmitter

SWT3-22-HU-WP-T/UK(W) 2x2 4K60 USB-C/HDMI Wall-plate Switcher Transmitter

