



# kramer

## SWT3-21-H

2x1 4K60 HDMI Switcher

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



SWT3-21-H is an intelligent 2x1 automatic switcher for 4K60 4:4:4 HDMI video signals, with plug and play user experience such as priority or last-connected auto-switching based on active video signal detection, and easy remote IP-driven management and control

## FEATURES

**Auto Switcher Ease of Use** - Automatically plays the switched source signal on the connected display according to user-configured preferences, such as priority or last-connected input. When the user manually switches, by pressing a button, the auto switching is overridden

**HDMI Signal Switching** - HDCP 2.2 compliant, supporting deep color, x.v.Color™, CEC, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing, locking and pass-through algorithm ensures plug & play operation for HDMI source and display systems

**Multi-channel Audio Switching** - 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 HDMI 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)

**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 and Flexible Control** - Remote IP-controller connection, browser operation webpage, local panel buttons, and remotely connected contact-closure buttons triggering configurable operation functions, 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 HDMI and sensor devices via RS-232 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

**Secured Operation** - Standard IT-grade 802.1x authentication for secured IT LAN connectivity operation

**Comprehensive and Cost-effective Management** - Local panel indication LEDs to facilitate easy local maintenance and troubleshooting. Remote IP-driven device 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** - PoE powering via LAN port connection, and compact DemiTOOLS® fan-less enclosure for user-reachable table mounting, under table, dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter, for easy switcher deployment



# kramer

## TECHNICAL SPECIFICATIONS

---

Inputs	2 HDMI: On a female HDMI connector
Outputs	1 HDMI: On a female HDMI connector 1 Balanced Stereo Audio: On 5-pin terminal block connector
Ports	1 RS-232: On a 3-pin terminal block connector 6 GPIO On an 8-pin terminal block connector 1 PoE-accepting Ethernet On an RJ-45 connector
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
Power	Power Adapter: Source: 5V DC, 4A Consumption: 0.53A  PoE Consumption: 90mA  PoE Max. Power: 4.32W
Enclosure	Size: DemiTOOLS® Type: Aluminum Cooling: Convection ventilation
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)	Health, Safety, Environmental: RoHs, WEEE, CE
Product Dimensions	19.05cm x 5.96cm x 2.74cm (7.50" x 2.35" x 1.08" ) W, D, H
Product Weight	0.3kg (0.7lbs) approx
Shipping Dimensions	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H
Shipping Weight	0.8kg (1.7lbs) approx



