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VP-427X

2x1 4K Auto-Switcher/Scaler Receiver over Long-Reach HDBaseT

| HDMI | Ethernet - RJ-45 | HDBaseT
| 4K/60 UHD (4:2:0)



VP 427X is a high-performance auto-switcher receiver with integrated scaler for 4K HDMI™ over long-reach HDBaseT, with a local HDMI input and an HDMI output. VP 427X receives the HDBaseT signal from a compatible transmitter, converts it to an HDMI signal and up- or down-scales the picture to any resolution up to 4K@60Hz (4:4:4) set by the user or automatically matching the resolution of the display connected to the HDMI output

FEATURES

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

Fast and clean AV Switching - Clean and instantaneous switching between inputs, with smooth, fade-through-black, uninterrupted transitions between presented content on the display, greatly enhancing end-users presentation experience

High-Performance Scaling Experience - Built-in ProcAmp high-resolution scaling technology for optimal up or down image scaling and video signal auto-adjustment with output-connected display capabilities to gain end-users valuable high presentation experience

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

Display On/Off Operation - Meeting presentation is simplified by automatically turning ON/OFF a CEC-enabled display when the presentation source is plugged in / unplugged

Convenient Unit Control and Configuration Options - Local control via front panel source switching buttons and OSD menu. Distance control via RS-232 serial commands transmitted by a PC, touch screen system or other serial controller

Easy, Cost-effective Maintenance - Local firmware upgrade via USB connector

Easy and Elegant Installation - Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter

Wired and Wireless Auto Switcher - When the receiver is connected to a wireless connectivity device such as Kramer VIA, can automatically select between a wired source at the transmitter or the wireless source at the receiver

High Performance Standard Extension - Professional HDBaseT extension for providing long-reach signals over twisted-pair copper infrastructures. VP-427X is a standard receiver that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

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)

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



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TECHNICAL SPECIFICATIONS

Inputs	1 HDBaseT On an RJ-45 female connector 1 HDMI On a female HDMI connector
Outputs	1 HDMI On a female HDMI connector 1 Balanced Audio On a 5-pin terminal block connector
Ports	1 Control RS-232 On a 3-pin terminal block connector 1 Data RS-232 On a 3-pin terminal block connector 3 Remote Contact-Closure On a 4 pin terminal block connector 1 Relay On a 3-pin terminal block connector 1 Program USB On a USB-A connector for firmware upgrade
Video	Max Data Rate (on the HDMI ports) 18Gbps Max Resolution (on HDMI ports) 4K@60Hz (4:4:4) Compliance 4K60, CEC, xvYCC color per HDMI 2.0 Content Protection: HDCP 2.2, 1.4 Output Resolutions 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz RB, 2560x1600@60Hz RB, 1920x1080@60Hz, 1280x720@60Hz, 2048x1080@50/60Hz, 2560x1440@60Hz RB, 720x480p@60Hz, 720x576p@50Hz, 1280x720p@50/60Hz, 1920x1080p@24/25/30/50/60Hz, 2560x1080p@50/60Hz, 2K@24/25/30/50/60Hz, 4K@24/25/30/50/60Hz
Extension Line	Up to 40m (130ft): At 4K@60Hz (4:2:0) Up to 70m (230ft) At full HD (1080p@60Hz)
Extended RS-232	Baud Rate 300 to 115200
Power	Source: 2A/12V Consumption 1A
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
Enclosure	Size: MegaTOOLS® Type: Aluminum Cooling: Convection ventilation
STANDARDS COMPLIANCE	Safety CE Environmental FCC
Accessories	Included: Power adapter, rubber feet, bracket set
Product Dimensions	18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00") W, D, H

Product Weight 0.9kg (1.9lbs) approx

Shipping Dimensions 35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H

Shipping Weight 1.4kg (3.1lbs) approx

