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VP-427X

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/scaler receiver for 4K HDMI™ over long-reach HDBaseT and a local HDMI input. VP-427X receives the HDBaseT signal from a compatible transmitter, converts it to HDMI 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 HDMI monitor. VP-427X enables extending video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions

FEATURES

HDMI Signal Extension - HDCP 1.4 / 2.2. 4K60, CEC, xvYCC color (on input)

Audio De-embedding - Output the HDMI audio to a balanced stereo output

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

- Includes relay outputs and easy connection to occupancy sensors and contact closure switches

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

- ProcAmp Control — Contrast, brightness, color, etc

- Freeze button

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 and relay switches

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



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TECHNICAL SPECIFICATIONS

| | |
|--------------------------|---|
| Inputs | 1 HDBaseT On an RJ-45 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 1 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) HDMI Support: 4K60, CEC, xvYCC color Content Protection: HDCP 1.4 and 2.2 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: PoE or 12V DC Adapter Consumption 1A |
| User Interface | Control Input selection buttons, remote contact-closure switches, relay switches. Kramer API via RS-232 serial commands transmitted by a PC, touch screen system or other serial controller, embedded web pages via LAN for configuration and control Indicators Power, link, input selection LEDs |
| 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 | Safety CE |

COMPLIANCE

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

