



## VP-427X1

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

| HDMI | Ethernet - RJ-45



VP 427X1 is a high-performance auto-switcher receiver with integrated scaler for 4K HDMI™ over extended-reach HDBaseT and a local HDMI inputs, and HDMI output. VP 427X1 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 priority 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 and uninterrupted transition 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 with user-defined shut-down delay

**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

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|--------------------------|---|
| Inputs                   | 1 HDBaseT: On an RJ-45 connector<br><br>1 HDMI: On a female HDMI connector  |
| Outputs                  | 1 HDMI: On a female HDMI connector<br><br>1 Balanced Analog Stereo Audio: On a 5-pin terminal block   |
| Ports                    | 1 IR (IN/OUT): On 3.5mm mini jacks<br><br>1 RS-232: On a 3-pin terminal block<br><br>1 Ethernet: 100Mbps, on an RJ-45 connector   |
| Video                    | 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<br><br>Max. Range: 180m at 1080p@60Hz, 100m (328ft) at 4K@60Hz (4:2:0)<br><br>Latency: Up to 2 frames<br><br>Content Protection: HDCP 2.2/1.4<br><br>Switching Time Between Inputs: <2.5 seconds |
| User Interface           | Control: Input selection buttons, and remote contact-closure 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<br><br>Indicators: Power, link, input selection LEDs   |
| Power                    | Source: PoE or 12V DC<br><br>Consumption: 1.5A  |
| Enclosure                | Size: MegaTOOLS®<br><br>Type: Aluminum<br><br>Cooling: Convection ventilation   |
| Environmental Conditions | Operating Temperature: 0° to +40°C (32° to 104°F)<br><br>Storage Temperature: -40° to +70°C (-40° to 158°F)<br><br>Humidity: 10% to 90%, RHL non-condensing   |
| Accessories              | Included: Power adapter, rubber feet, mounting bracket  |
| Product Dimensions       | 18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00" ) W, D, H   |
| Product Weight           | 1.1kg (2.4lbs) approx   |
| Shipping Dimensions      | 35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83" ) W, D, H  |
| Shipping Weight          | 1.8kg (4.0lbs) approx   |

