VP-427X2

4K HDR HDBT Receiver / Scaler Tool with
HDBaseT and HDMI Inputs

| HDMI | Ethernet - RJ-45

VP-427X2 is a high-performance auto-switcher/scaler receiver with 2 HDBaseT inputs and a local HDMI input for 4K HDMI™ over extended-reach HDBaseT. It supports automatic and manual glitch-free switching between the 3 inputs, and up- or down-scaling to any resolution up to 4K@60Hz (4:4:4). The output scaling automatically matches the resolution of the HDMI display on the output, or it can be manually set by the user. VP-427X2 enables extending video signals up to 180m 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

Comprehensive Receiver/Scaler - Scales signals of all standard resolutions up to 4K@60Hz (4:4:4) for routing to the HDMI output. Constant output sync prevents signal disruption when switching between inputs and when no video is detected

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

Audio De-embedding - Analog balanced stereo output for de-embedding the audio to speakers

Data Tunneling - Extend RS-232, IR, and Ethernet over the HDBaseT line

Built-in Automated Control - Includes relay outputs and easy connection to occupancy sensors and contact closure switches

CEC Support - Supports passing of CEC from input to output. Automatically sends CEC commands to shut down the output display after a timeout period when no input signal is found and to power up the display when the input returns

Cost-Effective and Convenient Control Options - Ethernet and RS-232 serial ports, and local control via front panel input selection and OSD menu buttons

ProcAmp Control - Contrast, brightness, color, etc

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

KRAMER

TECHNICAL SPECIFICATIONS

Inputs	2 HDBaseT: On an RJ–45 connector
	1 HDMI: On a female HDMI connector
Outputs	1 HDMI: On a female HDMI connector
	1 Balanced Analog Stereo Audio: On a 5–pin terminal block
Ports	1 IR: On a 3.5mm mini jack
	1 RS–232: On a 3–pin terminal block
	1 Ethernet: 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
	Max. Range: 180m at 1080p@60Hz, 100m (328ft) at 4K@60Hz (4:2:0)
	Latency: Up to 2 frames
	Content Protection: HDCP 2.2/1.4
	Switching Time Between Inputs: <2.5 seconds
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
Power	Source: 12V DC
	Consumption: 1A
Enclosure	Size: MegaTOOLS®
	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
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	1.7kg (3.8lbs) approx

HDMI

ON INPUT IR IN IR OUT MENU ENTER RESET TO XGA FREEZE ETHERNET PROG.
RESET TO 1080P
4K HDBT/HDMI Receiver/Scaler VP-427X

INPUTS
HDBT 1 HDBT 2 HDMI G Rx Tx REMOTE AUDIO OUT HDMI OUT 12V DC
RS-232 +L -L G +R

IR — Blu-ray Remote Control
Eth — Control System
HDBT — TP-789T Transmitter — Blu-ray Player
HDBT — TP-789T Transmitter — PC
HDMI — VIA GO
RS-232 — Control System
Occupancy Sensor
Audio — Active Speakers
Display