



# KRAMER

## VP-427H2

4K60 4:4:4 HDMI HDCP 2.2 Receiver/Scaler  
over Extended-Reach HDBaseT

| HDMI | Ethernet - RJ-45 | HDBaseT  
| HDCP 2.2 Compatible



VP-427H2 is a high-performance receiver/scaler for extended-reach HDBaseT twisted pair, HDMI™, bidirectional RS-232 and IR signals. The unit receives an HDBaseT signal that it converts to HDMI and passes Ethernet, IR and RS-232 signals. It also de-embeds and outputs an unbalanced stereo audio signal, and up- or down-scales the picture to match the resolution of the HDMI monitor

### FEATURES

**Max. Output Resolution (HDMI)** - Up- and down-scales to any resolution up to 4K@60Hz (4:4:4)

**Max. Input Resolution (HDBaseT)** - HDBaseT input resolution up to 4K@60Hz (4:2:0)

**HDMI Support** - HDCP 1.4 / 2.2. 4K60, CEC, xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio as specified in HDMI 2.0

**Audio Support** - Embedded and analog (supporting LPCM 2CH) for the output

**HDBaseT Data Tunneling** - Supports Ethernet tunneling, as well as bidirectional tunneling for RS-232 and IR control

**On-Screen Display (OSD)** - For easy setup and adjustment, accessible via the front-panel buttons

**Constant Sync** - Maintains sync on the output, even if the input video signal is lost or interrupted

**System Range** - Up to 100m (328ft) at 4K



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## TECHNICAL SPECIFICATIONS

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Inputs:	1 HDBaseT twisted pair on an RJ-45 connector, 1 IR on a 3.5mm mini jack
Outputs:	1 HDMI connector, 1 IR on a 3.5mm mini jack, 1 unbalanced stereo audio (1.2Vrms nominal, 100Ω) on a 3.5mm mini jack
Ports:	1 bidirectional RS-232 port on a 9-pin D-sub connector, 1 Ethernet on an RJ-45 connector, 1 USB (A) for upgrading
Compliance with HDMI Standard:	Supports HDCP 2.2. Supports 4K60, CEC, xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio as specified in HDMI 2.0
Output Resolutions:	640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1360x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1440x900@60Hz, 1400x1050@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1920x1200@60Hz, 480P@60Hz, 576P@50Hz, 720P@50/60Hz, 1080P@24/25/30Hz, 4k2k@24/25/30Hz, 4k2k (4:2:0)@50/60Hz, 4k2k (4:4:4)@50/60Hz, Native
Max. Input Resolution (HDBaseT)	4K@60Hz (4:2:0)
Max. Range	100m (328ft) at 4K
Output Refresh Rate:	60Hz for computer graphics resolutions, 50/60Hz for HDTV resolutions
Audio Sampling Rate:	48kHz for analog audio output
Video Latency:	Progressive input – 30ms (approx.); interlaced input – 50ms (approx.)
Embedded Audio:	HDMI and HDBT support multi-channel audio
RS-232 Baud Rate:	115200bps max
Controls:	Front panel buttons, OSD menu
Indicators:	ON LED (green)
Power Consumption:	5V DC, 2.5A
Power Source:	5.2V/4A
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
Included Accessories:	Power supply
Product Dimensions	18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00" ) W, D, H
Product Weight	0.6kg (1.2lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83" ) W, D, H
Shipping Weight	1.1kg (2.4lbs) approx



