



KRAMER

VP-427H2

4K60 4:4:4 HDMI HDCP 2.2 Receiver/Scaler with Ethernet, RS-232, IR, & Stereo Audio over Extended-Reach HDBaseT



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, as well as an unbalanced stereo audio signal. It up- or down-scales the picture to match the resolution of the HDMI monitor.

FEATURES

- Max. Output Resolution (HDMI) - Up- and down-scales up to 4K@60Hz (4:4:4).
- Max. Input Resolution (HDBaseT) - HDBaseT input resolution up to 4K@60Hz (4:2:0).
- Supports HDMI 2.0 and HDCP 1.4 / 2.2
- 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 input video signal is lost or interrupted.
- System Range - Up to 100m (328ft) at 4K.

TECHNICAL SPECIFICATIONS

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 up to HDMI 2.0, and HDCP 2.2.
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. (HDBaseT) 4K@60Hz (4:2:0).
MAX. INPUT RESOLUTION	100m (328ft) at 4K.
MAX. RANGE	60Hz for computer graphics resolutions, 50/60Hz for HDTV resolutions.
OUTPUT REFRESH RATE:	48kHz for analog audio output.
AUDIO SAMPLING RATE:	Progressive input – 30ms (approx.); interlaced input – 50ms (approx.).
VIDEO LATENCY:	HDMI and HDBT support multi-channel audio.
EMBEDDED AUDIO:	115200bps max.
RS-232 BAUD RATE:	Front panel buttons, OSD menu.
CONTROLS:	ON LED (green).
INDICATORS:	5V DC, 2.5A.
POWER CONSUMPTION:	5.2V/4A.
POWER SOURCE:	0° to +40°C (32° to 104°F).
OPERATING TEMPERATURE:	-40° to +70°C (-40° to 158°F).
STORAGE TEMPERATURE:	10% to 90%, RHL non-condensing.
HUMIDITY:	Power supply.
INCLUDED ACCESSORIES:	RK-T2B 19" rack adapter.
OPTIONS:	18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00") W, D, H
PRODUCT DIMENSIONS:	0.6kg (1.2lbs) approx.
PRODUCT WEIGHT:	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
SHIPPING DIMENSIONS:	1.1kg (2.4lbs) approx.
SHIPPING WEIGHT:	

