VP-428H2

4K60 4:4:4 HDCP 2.2 DisplayPort, HDMI & VGA Auto Switcher/Scaler and PoE Provider over HDBaseT

| VGA/UXGA - 15-pin HD | HDMI | Ethernet - RJ-45 | HDBaseT | HDCP 2.2 Compatible

VP428H2 is an HDBaseT 4K transmitter/scaler with HDMI, DP and VGA inputs. VP428H2 supports HDBaseT tunneling of Ethernet, bidirectional RS232 and IR signals, as well as PoE to provide power to the HDBaseT receiver. It receives the selected AV signal, upscales, down scales or bypasses the video, according to the settings selected by the user, and converts it for sending via HDBaseT, together with the tunneled data and PoE

FEATURES

PixPerfect™ Scaling Technology - Kramer's precision pixel mapping and highquality scaling technology

HDMI 2.0 Compliant

HDCP 2.2 Compliant

HDBaseT Certified

System Range - For the HDBaseT output, extended reach of up to 100m (330ft) using Kramer recommended cables

Provides Power (PoE) on HDBaseT Output to Compatible Devices

Max. Resolutions - Input: 4K@60Hz (4:4:4); Output: 4K@60Hz (4:2:0)

Max. VGA Resolution - 1920 x 1200 @60Hz

Built-in ProcAmp - Color, hue, sharpness, noise, contrast and brightness are set individually for each input

Constant Output Sync - No output disruption while switching between inputs when no video is detected

Audio - Unbalanced stereo and embedded audio

Auto Input Switching - Last connected & autoscan, selectable

HDBaseT Tunneling - Supports full HDBaseT tunneling of Ethernet and RS232 data

Non-Volatile Memory - Saves final settings

Flexible Control Options - Front panel push buttons, RS232, OSD (onscreen display) menu with front panel navigation buttons

TECHNICAL SPECIFICATIONS

1 DP	On a Display Port connector
1 HDMI	On a female HDMI connector
1 PC	On a 15pin HD connector
1 Stereo Analog Unbalanced Audio	On a 3.5mm mini jack
1 IR	On a 3.5mm mini jack
HDBaseT	On an RJ45 port
1 IR	On a 3.5mm mini jack
1 Ethernet	On an RJ45 female connector for port tunneling
1 USB	On a female USBA connector
1 DATA RS-232	On a 3pin terminal block for serial link extension
PRODUCT DIMENSION:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.9kg (1.9lbs) approx
SHIPPING DIMENSION:	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
SHIPPING WEIGHT:	1.4kg (3.2lbs) approx
1 CTRL RS-232	On a 3pin terminal block for device control
Max Data Rate	10.2Gbps (3.4Gbps per graphic channel)
Max. Input Resolution	4K@60Hz (4:4:4)
Max. Output Resolution	4K@60Hz (4:2:0)
Standards Compliance	HDMI 2.0 and HDCP 2.2
Switching Time Between Inputs	2 to 3 seconds
Video Latency	2 to 3 frames
Input Resoutions	640x350@60/70/85Hz, 640x400@70/85Hz, 640x480@57/60/66/72/85Hz, 720x400@70/85Hz, 720x480@60i/60p/60Hz, 720x576@50i/50p/60Hz, 800x600@56/60/72/75/85Hz, 832x624@75Hz, 848x480@59/60Hz, 864X648@60Hz, 1024x768@43i/60/70/75/85Hz, 1152x864@60/70/75/85Hz, 1152x870@60/75Hz, 1280x720@25p/30p/50p/60p/75Hz, 1280x768@50/60 (RB)/60/75/85Hz, 1280x800@59/60/75/85Hz, 1280x960@60/75/85Hz, 1280x1024@59/60/72/75/76/85Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@59/60/75Hz, 1440x900@60 (RB)/60/75/85Hz, 1600x900@60 (RB)/60/75Hz, 1600x1024@60/75Hz, 1600x1200@51/59/60/65/70/75Hz, 1680x1050@59/60/75Hz, 1920x1200@59/60/65/75Hz, 1920x1080@50i/60i/24p/25p/30p/50p/60p/60Hz, 920X1080@60s, 1920X1080@50vesa, 3840x2160@24p/25p/30p/50p/50p (420)/60p/60p (420)/60p (RB), 4096x2160@24p/25p/30p/50p/50p (420)/60p/60p (420)
Ouput Resolutions	Native, 640x480@60Hz, 720x480P@60Hz, 720x576P@50Hz, 800x600@60Hz, 1024x768@60Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz, 1280x720P@50/60Hz, 1920x1080P@24/25/30/50/60Hz, 4K@24/25/30Hz, 4K2K(4:2:0)@50/60Hz

Source	48V DC, 410mA
Consumption	48V DC, 1.36A
Cooling	Convection ventilation
Type	Aluminum
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 noncondensing
Included	Power supply
Optional	RKT2B rack adapter