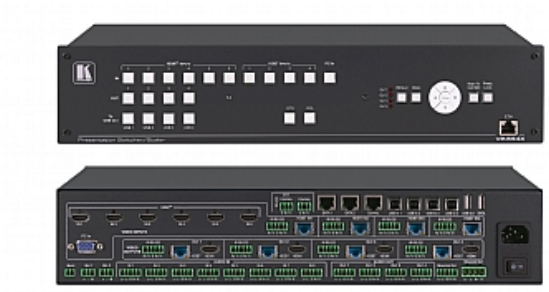
VP-554X

11x4:2 Presentation Boardroom Router / Scaler System



The VP-554X is a high-performance presentation scaler/switcher with 4 pairs of independent and scaled outputs. It includes multiple HDMI and HDBaseT inputs – supporting resolutions up to 4K – as well as a legacy VGA input, and each of the 4 outputs is mirrored on both HDMI and HDBT.
VP-554X supports embedded and balanced analog stereo audio, up to 2 microphone inputs, DSP audio features and a built-in stereo power amplifier. It includes a built-in Ethernet switch and supports legacy RS-232, and IR, Ethernet and RS-232 tunneling over HDBT

FEATURES

Pix-Perfect™ Scaling Technology - Kramer's precision pixel mapping and high-quality full up - and down-scaling technology

High-Performance Switcher/Scaler - Scales the video and provides constant output sync to prevent signal disruption when switching between inputs and when no video is detected

HDCP 2.3 Compliance - The HDCP (High Definition Content Protection) license agreement allows copy-protected data on the HDMI input to pass to HDCP compliant outputs

Resolutions - Up to 4K60 4:4:4 on the HDMI ports; up to 4K60 4:2:0 on the HDBaseT ports; and up to 1080p60 on the VGA input

System Range for the HDBT inputs and outputs - Up to 100m for 4K; 180m for 1080p

4x1 USB Switcher - Can be set to follow the switching of the video layer or as an independent switcher

- Audio DSP Features, including input and output level adjustments, microphone talkover, mixing, and EQ

- Analog & Embedded Audio Support

Built-in Power Amplifier - 2x20W

Built-in Video ProcAmp - Color, hue, sharpness, noise, contrast, and brightness

- Option for video wall output mode

Multiple Control Options - Front panel buttons with OSD, RS-232, Ethernet and built-in Web pages

- Includes numerous filters and algorithms for eliminating picture artifacts

- Converts to 4K60 4:2:0 on HDBaseT outputs when its corresponding mirrored HDMI output resolution is 4K60 4:4:4 (similarly for 4K50)

HDMI Support - HDR10, CEC, xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio (by-pass), as specified in HDMI 2.0 as specified in HDMI 2.0

- Multiple aspect ratio selections

- Advanced EDID management per input

- Includes non-volatile memory that retains the last settings, after switching the power off and then on again

- STO and RCL buttons, a RESET TO XGA/1080P button (to hardware-reset the output resolution); and a PANEL LOCK button

- Built-in video Proc-Amp – color, hue, sharpness, contrast, and brightness are set individually for each output

- An OSD (On-Screen Display) – for making adjustments – that can be located anywhere on the screen

- Efficient power-saving features

- Advanced EDID management per input

- Includes non-volatile memory that retains the last settings, after switching the power off and then on again

- 11 input buttons for switching a selected input to an output

- Scaled video outputs – 4 pairs of mirrored HDMI and HDBT outputs

- Embedded audio on the HDMI and HDBT inputs and outputs
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- Embedded audio on the HDMI and HDBT inputs and outputs
- Scaled video outputs – 4 pairs of mirrored HDMI and HDBT outputs

TECHNICAL SPECIFICATIONS

Inputs	6 HDMI On female HDMI connectors
	1 PC On a 15−pin HD connector
	4 HDBT On RJ−45 female connectors
	8 Stereo Analog Balanced Audio On 5−pin terminal block connectors
	2 Unbalanced Mono Audio On 3−pin terminal block connectors
Outputs	4 HDMI On female HDMI connectors
	4 HDBT (mirrored with each HDMI output) On RJ−45 female connectors
	5 Balanced Stereo Audio On 5−pin terminal block connectors
	1 Stereo Balanced Audio On a 4−pin large terminal block
Line Level Input	Impedance 16.6kΩ
	Maximum level +14.7dBu (4.2Vrms)
	Sensitivity Full power @ +8.7dBu (2.1Vrms) for OUT =1.9Vrms
MICROPHONE LEVEL INPUT	Impedance 47kΩ
	Sensitivity Full power @ −37dBu (11mVrms) for OUT =1.9Vrms
	Phantom Power 48Vdc on/off per input
Line Level Output	Impedance 500Ω
	Frequency Response 20Hz − 20kHz @ +/−1dB
	S/N Ratio >75dB, 20Hz − 20kHz (unweighted), >81dB, 20Hz − 20kHz (A−weighted)
	Audio THD + Noise <0.014%, 20Hz − 20kHz (unweighted), <0.0092%, 20Hz−20kHz (A−weighted)
	Crosstalk <−93 dB, 20Hz to 20kHz
Amplifier	Output Power 2 x 20W into 4Ω
	Amplifier Class D
	Maximum Voltage Gain 26dB BTL
	Dynamic Range 103 dB A−Weighted
	Frequency Response 20Hz − 20kHz @ +/−1dB
	S/N Ratio >68 dB, 20Hz − 20kHz (unweighted)
	Audio THD + Noise <0.037%, 20Hz − 20kHz (unweighted)
	Crosstalk <−77 dB, 20Hz to 20kHz
Ports	4 IR (for HDBT Outputs) On terminal block connectors for IR link extension
	4 IR (for HDBT Inputs) On terminal block connectors for IR link extension
	4 RS-232 (for HDBT Outputs) On terminal block connectors for serial link extension

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	5 USB 4 USB Hosts on USB−B connectors 1 USB Client on a USB−A connector
	1 USB On a USB−A connector for firmware upgrading
	2 RS-232 On 3−pin terminal block connectors
	4 100BaseT Ethernet On RJ−45 female connectors for device control and LAN extension
Video	Max Resolution HDMI: 4K60 4:4:4 HDBT: 4K60 4:2:0 PC (VGA):1080p
	Compliance Up to HDMI 2.0 and HDCP 2.2
Extended Ethernet	Max Transmission Bandwidth 100Mbps
Extended RS-232	Baud Rate 300 to 115200
Control RS-232	Baud Rate 115200
Power	Max, Power Consumption 190VA
	Storage Temperature −40° to +70°C (−40° to 158°F)
Environmental Conditions	Operating Temperature 0° to +40°C (32° to 104°F)
	Humidity 10% to 90%, RHL non−condensing
Regulatory Compliance (Standards Compliance)	Safety CE, FCC
	Environmental RoHs, WEEE
Enclosure	Size 19” 2U
	Type Aluminum
	Cooling Fan ventilation
Accessories	Included Power adapter cord
Product Dimensions	43.69cm x 23.60cm x 8.80cm (17.20" x 9.29" x 3.46") W, D, H
Product Weight	5.0kg (11.0lbs) approx
Shipping Dimensions	52.60cm x 47.50cm x 18.40cm (20.71" x 18.70" x 7.24") W, D, H
Shipping Weight	6.3kg (13.9lbs) approx

