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VP-550X

10-Input 4K HDR HDMI Presentation
Switcher/Scaler

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:4:4)



VP-550X is a versatile, professional presentation scaler/switcher for 4K@60 (4:4:4) HDMI, USB-C, VGA, and composite video signals. The unit scales the video and provides options to use the embedded digital audio or to select analog audio input signals. After processing and scaling, the embedded AV signal is sent to the 2 mirrored HDMI outputs simultaneously, and the audio is also sent to a balanced stereo audio output

FEATURES

High-Performance Switcher/Scaler - Scales HDMI, USB-C (Alt-DP), VGA, and Composite video signals for outputting to two mirrored HDMI outputs. Constant output sync prevents signal disruption when switching between inputs and when no video is detected

High-Resolution Video - Supports and scales to/from resolutions up to 4K@60Hz (4:4:4). Complies with HDCP 2.2. Supports HDR10, CEC, xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio (by-pass), as specified in HDMI 2.0

Professional Video Quality - Provides selectable aspect ratios (full, best fit, over-scan, under-scan, letter box and pan scan). Includes built-in ProcAmp for color, hue, sharpness, noise, contrast, and brightness control. Supports PixPerfect™, Kramer's precision pixel mapping and high-quality scaling technology with full up-scaling and down-scaling of all video input signals

Versatile Audio Options - Includes a companion analog audio input for each of the 2 analog video inputs and an additional AUX audio input - enabling the user to embed analog audio channel into the video signal or to bypass an embedded audio input (for example, to support multi-channel, compressed audio formats like Dolby and DTS). Provides an independent microphone input (with optional 48V phantom power) for mixing, switching or talk-over. On the output, besides the audio embedded on the HDMI outputs, the audio signal is also extracted (de-embedded) and output as a balanced stereo analog audio signal

Powerful Audio Features - Includes DSP with audio equalization, mixing, delay and more

Versatile Powering Options - Receives power from a universal power supply (100-240V AC) and provides up to 18W of power to the USB-C input, HDTV Compatible

4K and Legacy Inputs - 7 HDMI and 1 USB-C 4K@60 (4:4:4) inputs, 1 VGA input, and 1 CV (composite video) input

Non-Volatile Memory - Saves final settings before shutdown and retains them for next power up

Convenient Control Options - Local control via front panel buttons (input selection, audio mute, freeze and front panel lock), RS-232, IR remote, and OSD. Long-distance control via Ethernet using embedded web pages

Easy Installation - 19" enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100-240V AC power connection



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TECHNICAL SPECIFICATIONS

Inputs	<p>7 HDMI: On female HDMI connectors</p> <p>1 USB (providing power): On a USB type-C connector</p> <p>1 Computer Graphics: On a 15-pin HD connector</p> <p>1 Composite Video: On an RCA connector</p> <p>3 Unbalanced Stereo Analog Audio (AUX, VGA and CV): On 3-pin terminal blocks</p> <p>Microphone: On 3-pin terminal block</p>
Outputs	<p>2 HDMI: On female HDMI connectors</p> <p>1 Balanced Analog Stereo Audio: On a 5-pin terminal block</p>
Ports	<p>1 RS-232 (Data): On a 3-pin terminal block</p> <p>1 RS-232 (Control): On a 3-pin terminal block</p> <p>1 Ethernet: 100Mbps, on an RJ-45 connector</p>
Video	<p>Input HDMI and USB-C Resolutions: 480i/576i, 480p/576p, 640x480@60/72/75/85Hz, 720p@60/50Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1080i@60/50Hz, 1080p@24/25/30Hz, 1080p@60/50Hz, 1280x1024@60/75Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x1200@60Hz, 1600x900@60Hz RB, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz RB, 4K2K@24/25/30/50/60Hz (4:4:4), 4K2K@50/60Hz (4:2:0)</p> <p>Input Computer Graphics Resolutions: 640x480@60/72/75/85Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1280x1024@60/75Hz, 1280x960@60Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz RB</p> <p>Input CV Resolution: 480i/576i</p> <p>Output HDMI Resolutions: 480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x720@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz RB, 4K/2K@50/60Hz (4:2:0), 4K/2K@24/25/30/50/60Hz (4:4:4)</p> <p>Max. Input Resolution – HDMI and USB-C: 4K@60Hz (4:4:4)</p> <p>Max. Input Resolution – VGA: 1080p60 / UXGA</p> <p>Max. Output Resolution- HDMI: 4K@60Hz (4:4:4)</p> <p>Content Protection: Up to HDCP 2.2</p> <p>HDMI Support: HDR10, CEC, xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio (by-pass), as specified in HDMI 2.0</p> <p>Latency: 1–2 frames</p>
User Interface	<p>Controls: IR remote, Input selection, freeze, mute, XGA/1080p reset, and panel lock buttons, OSD menu</p> <p>Indicators: IR, selected input LEDs</p>
Power	<p>Source: 100–240V AC 50/60Hz</p>

