VP-778

8-Input Presentation Matrix Switcher/Scaler with Seamless Video Cuts and 4K30 Output Support

| DVI | HDMI | Microphone - 3.5/6.5mm | Speakers | Ethernet - RJ-45 | HDBaseT | 4K/30 UHD

VP-778 is a presentation matrix switcher/scaler that can be configured as a single 4K output (4K@30Hz UHD [3840x2160]) or dual HD scaler with full PiP capabilities. It can scale to two independent HDMI outputs, each with a parallel HDBaseT output. VP-778 includes both analog and embedded audio inputs and outputs and audio DSP features. It also features two microphone inputs and digital & analog balanced stereo and amplified speaker outputs. VP-778 can be controlled using built-in web pages, RS-232 and IR

FEATURES

Pix Perfect™ Scaling - State-of-the-art Kramer technology

K-IIT XL™ Picture-in-Picture Image Insertion Technology - Ultra-stable picture-in-picture, picture-and-picture and split-screen

Seamless Video Switching - Swap or follow (transition type) and cut or fade (transition effect)

Dual Scalers - "Live" seamless transitions with two independent outputs

8 Input Buttons per Channel

Main and PiP Window Customization - In overlay mode

Projection Setups - Front, back, ceiling front and ceiling back

Output Resolutions - Up to 4K@30Hz UHD (3840x2160) in single-window mode, HDTV and computer graphics resolutions with selectable refresh rates

Inputs - Choice of HDMI, VGA, YUV, or CV on two DVI-U inputs, 4 HDMI and 2 HDBaseT inputs

Two Programmable User Buttons - For passing serial commands

Serial Comms Matrix - Up to eight sets of configurable unidirectional connections for passing serial data from source to destination

HDBaseT™ Technology - Max. data rate of 6.75Gbps (2.25Gbps per graphic channel)

System Range (HDBaseT™) - Up to 130m (430ft) in normal mode; up to 180m (590ft) in ultra-mode (1080p @60Hz @24bpp) when using BC-UNIKAT cables

Cables - For optimum range and performance, use the recommended Kramer cables available at www.kramerav.com/product/VP-778

Audio - Balanced stereo audio inputs, two microphone inputs, digital stereo and balanced stereo outputs, input/output audio level adjustment, and audio DSP

Built-in 2x10W Power Amplifier - Speaker outputs on a 4-pin terminal block connector

Microphone - Talkover or mix modes

Auto Switching - Automatically scans inputs based on a predefined priority and selects first live input found or last connected

Audio-Follow-Video (AFV) & Breakaway

Advanced De-interlacing - 3D comb filtering, film mode, diagonal correction, and motion detection

Multiple Aspect Ratio Selections

Built-in Proc-Amp - With enhanced functions such as color correction, gamma, dither, and noise reduction

Power Management Modes - Save energy and money

HDCP Compliance

Luma- and Chroma-Keying

Advanced EDID Management - Native resolution and color depth modeline per input

Built-in Test Patterns - For screen setup and alignment

Output EDID Analysis - For optimal scaling

Input & Output Color Space Control

HDMI Deep Color

On-Screen Display (OSD) - Provides easy setup and adjustment

Non-Volatile Memory - Retains settings

Firmware Upgrade Input - Via USB memory stick

Various Control Options - Front panel buttons, Ethernet web page, RS-485, IR, RS-232 serial

KRAMER

TECHNICAL SPECIFICATIONS

Inputs:	4 HDMI (deep color) connectors
	2 DVI−U (deep color) connectors (DVI, HDMI, PC, YPb Pr, CV)
	2 HDBT on RJ−45 connectors
	4 HDMI, 2 DVI−U, 2 HDBT on 3.5mm mini jack connectors
	2 Mic unbalanced and high impedance on 6mm jack connectors (with selectable 48V phantom power)
Outputs:	2 HDMI (deep color) connectors
	2 HDBaseT on an RJ−45 connector
	1 S/PDIF digital audio on an RCA connector
	1 balanced stereo audio on a 5−pin terminal block connector
	1 stereo speaker output, 2x10W into 8Ω, on a 4−pin terminal block connector
Compliance with HDMI Standard:	Supports HDMI and HDCP
Output Resolutions:	640x480@60Hz, 640x480@75Hz, 800x600@50Hz, 800x600@60Hz, 800x600@75Hz, 1024x768@50Hz, 1024x768@60Hz, 1024x768@75Hz, 1280x768@50Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@50Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1360x768@60Hz, 1366x768@50Hz, 1366x768@60Hz, 1400x1050@50Hz, 1400x1050@60Hz, 1600x900@60Hz, 1600x1200@50Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50Hz, 720p@59.94Hz, 720p@60Hz, 1080p@23.976Hz, 1080p@24Hz, 1080p@25Hz, 1080p@29.97Hz, 1080p@30HZ, 1080p@50Hz, 1080p@59.94Hz, 1080p@60Hz, 2048x1080@60Hz, 2048x1080@50Hz, 4K2K@30Hz
Controls:	Front panel buttons, OSD, IR remote control, web pages, 2 RS−232 on terminal block connector, Ethernet, cond/dyn selector switch
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
Power Consumption:	100−240V AC, 50VA max
Product Dimension	19" x 9.34 x 1U (43.6cm x 23.72cm x 4.36cm) W, D, H
Product Weight	2.6kg (5.7lbs) approx
Shipping Dimension	52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21") W, D, H
Shipping Weight	3.8kg (8.4lbs) approx

HDMI

BluRay
Disk Player

HDMI

Laptop

From
TP-580TXR

From
TP-580TXR

To
TP-580RXR

To
TP-580RXR

VGA

Audio

Mic. 1

Audio

Mic. 2

ETH

YUV

HDMI

HDMI

Computer
Graphics Source

DVD Player
(Component)

Projector

LCD
Display