VP-773

8-Input HDMI & HDBaseT ProScale Presentation Switcher/Scaler with 2K Support

The VP-773 is a high-performance presentation switcher and scaler. It accepts one of eight inputs: one DisplayPort (DP), one composite video, two computer graphics and four HDMI signals. It scales the video, embeds the audio, and simultaneously outputs the signal to two HDMI and one HDBaseT TP output, together with S/PDIF and balanced stereo audio outputs.

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FEATURES

- K-IIT XL™ Picture-in-Picture Image Insertion Technology - Ultra−stable picture−in−picture, picture−and−picture, and split screen capability. Any video source can be inserted into or positioned next to a computer graphics video source or vice versa with window positioning and sizing controls.
- Kramer's PixPerfect™ Scaling Technology - Kramer's precision pixel mapping and high quality scaling technology. High−quality 3:2 and 2:2 pull down de−interlacing and full up− and down−scaling of all video input signals.
- State−of−the−Art Video Processing Technology - For highest quality de−interlacing, noise reduction, and scaling performance for both standard−definition and high−definition signals.
- Ultra-Fast Fade-Thru-Black (FTB™) Switching - Video switching transitions are clean and ultra fast. The video fades to black and the new input fades from black for smooth, glitch−free switching. The output signal provides constant sync so the display never glitches.
- HDCP Compliant. - The HDCP (High Definition Content Protection) license agreement allows copy−protected data on the HDMI input to pass only to the HDMI output.
- Advanced EDID Management - Per input; analyzes the EDID of a selectable Master connection to one of the outputs.
- Mass Notification Emergency Communication System (MNEC) - Activates a national or campus−wide notification, immediately displayed when an emergency situation develops. It uses automatic text overlaying, either via a crawler or a full screen cover up, as well as an optional audio alert.
- Max. Data Rate - 6.75Gbps (2.25Gpbs per graphic channel).
- Scaled Outputs - 2 HDMI and 1 HDBaseT TP simultaneously.
- Output Resolutions - HDTV and computer graphics up to 2K and 1080p/UXGA with selectable refresh rates.
- Multiple Aspect Ratio Selections - Follow input, follow output, best fit, letterbox, and user definable settings.
- Advanced Deinterlacing Functions - Including 3D comb filtering, film mode, diagonal correction and motion detection.
- HDMI Deep Color Support. - For all inputs and outputs.
- Luma Keying - Via PIP window.
- Vertical Keystone Operation.
- Built-in Proc-Amp - With enhanced functions such as color correction, gamma and dither.
- Multi-Standard Video Support - NTSC (3.58/4.43), PAL (M/N/60) and SECAM.
- Built-in Time Base Corrector - Stabilizes unstable video sources.
- Picture Zooming - Both on main and PIP window from 100% to 1600%, including separate V and H sharpness control.
- Input and Output Colorspace Control.
- Audio Support - Unbalanced stereo audio inputs, with two microphone inputs; digital stereo and balanced stereo outputs; input and output audio level adjustment.
- Selectable Microphone Talkover or Mix Modes.
- Automatic Detection and Selection of Embedded Audio - Automatically outputs the signal from the HDMI and DP embedded audio inputs or performs an analog takeover to output the respective analog audio input.
- Range - Up to 130m (430ft) HDBT; up to 180m (590ft) Ultra mode (1080p @60Hz @24bpp) when using BC−DGKat623 cables.
- On-Screen Display (OSD) - For easy setup and adjustment, accessible via the IR remote control and via the front−panel buttons.
- Non-Volatile Memory - Saves final settings.
- Firmware Upgrades - Via Ethernet and RS−232.
- Flexible Control Options - Front panel buttons, OSD (on−screen display) via front panel buttons or IR remote (remote control included), embedded Web server.
- Port Tunneling - A bidirectional RS−232 interface where simple control commands and data can flow in both directions from a controller to the VP−773 via the Ethernet, allowing status requests and control of the destination

unit

- Selectable Power Save Modes - For efficient energy use.
- Worldwide Power Supply - 100−240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.

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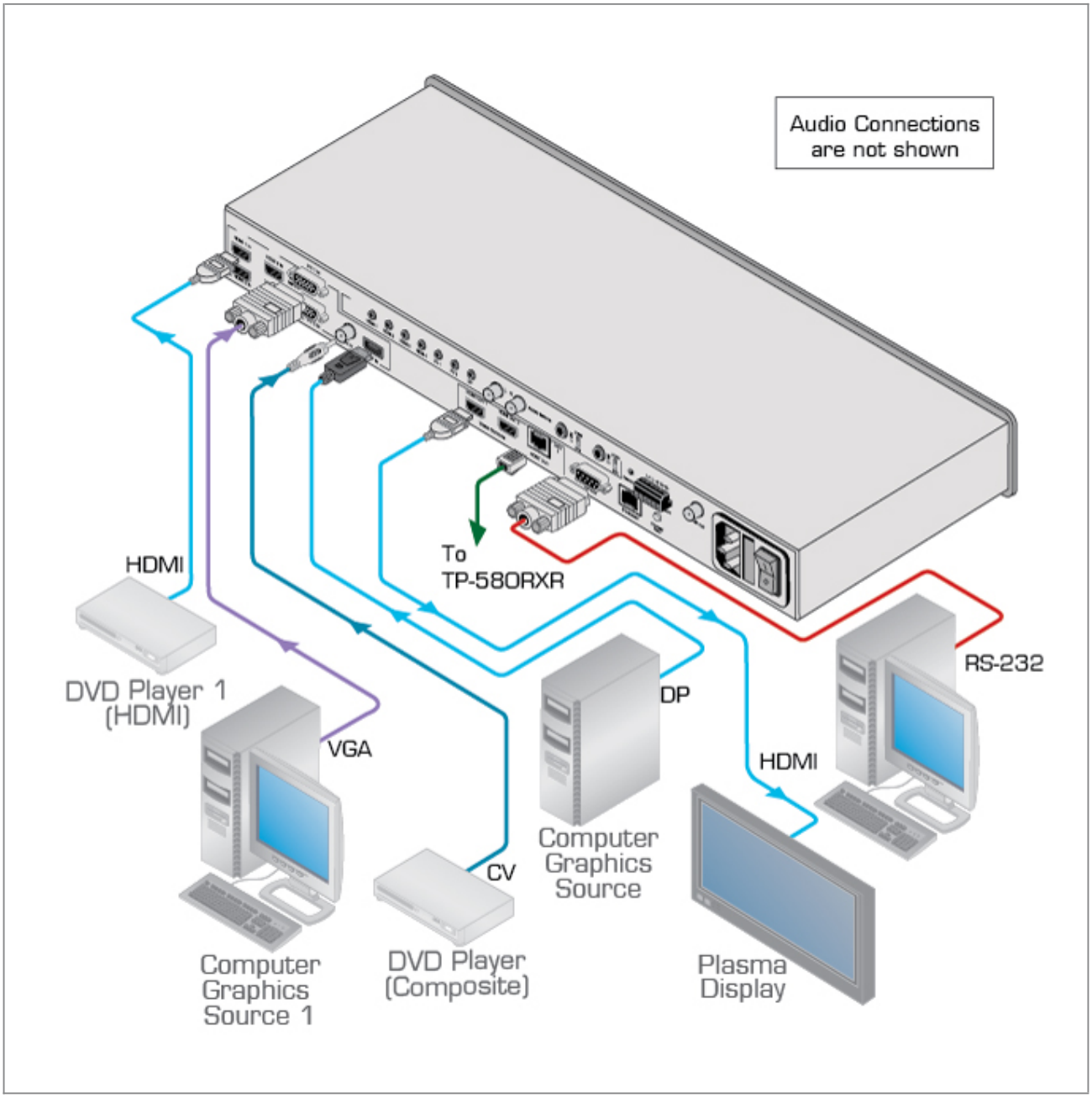
TECHNICAL SPECIFICATIONS

INPUTS:	4 HDMI (Deep Color) connectors, 2 VGA on 15−pin HD connectors, 1 composite video on an RCA connector, 1 DisplayPort connector, 4 HDMI, 2 VGA, 1 DP, 1 CV unbalanced stereo audio on left and right RCA connectors, 2 mic on 3.5mm mini jack connectors.
OUTPUTS:	2 HDMI (Deep Color) connectors, 1 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.
STANDARDS COMPLIANCE:	Supports HDMI (Deep Color), HDCP, DisplayPort 1.1a.
OUTPUT RESOLUTIONS:	640x480@60, 640x480@75, 800x600@50, 800x600@60, 800x600@75, 1024x768@50, 1024x768@60, 1024x768@75, 1280x768@50, 1280x768@60, 1280x800@60, 1280x1024@50, 1280x1024@60, 1280x1024@75, 1360x768@60, 1366x768@50, 1366x768@60, 1400x1050@50, 1400x1050@60, 1600x900@60, 1600x1200@50, 1600x1200@60, 1680x1050@60, 1920x1200@60, 480i60, 480p60, 576i50, 576p50, 720p50, 720p59.94, 720p60, 1080p23.976, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2048x1080@60Hz, 2048x1080@50Hz.
CONTROLS:	Front panel buttons, OSD, IR remote control, RS−232 on a 9−pin D−sub connector, Ethernet.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−49° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
POWER SOURCE:	100−240V AC, 40VA max.
DIMENSIONS:	19" x 9.3" x 1U (W, D, H) rack mountable.
WEIGHT:	3kg (6.6lbs) approx.
ACCESSORIES:	Power cord, rack “ears”, IR remote control.


Audio Connections
are not shown
HDMI
DVD Player 1
(HDMI)
VGA
Computer
Graphics
Source 1
CV
DVD Player
(Composite)
To
TP-580RXR
DP
Computer
Graphics
Source
HDMI
Plasma
Display
RS-232