



# kramer

## VP-774A

9-Input HDMI & HDBaseT ProScale™  
Presentation Switcher/Scalers with 2K  
Support and Audio Power Amplifier

| VGA/UXGA - 15-pin HD | HDMI | 3G HD-SDI -  
BNC | Microphone - 3.5/6.5mm | Speakers  
| Ethernet - RJ-45 | HDCP Compliant | HDBaseT



The VP-774AMP is a high-performance presentation switcher and scaler. It accepts one of nine inputs: one DisplayPort (DP), one composite video, two computer graphics, one 3G HD-SDI and four HDMI signals. It scales the video, embeds the audio, and simultaneously outputs the signal to two identical HDMI, one HDBaseT and one 3G HD-SDI output, together with S/PDIF and balanced stereo audio outputs. The unit also includes an audio amplifier and speaker outputs

## 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 any other video source with full 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 (2.25Gbps per graphic channel)

**Multi-Standard SDI Support** - SDI (SMPTE 259M), HD-SDI (SMPTE 292M) and 3G HD-SDI (SMPTE 424M)

**Scaled Outputs** - 2 HDMI, 1 HDBaseT, 1 3G HD-SDI (all outputs work simultaneously)

**Output Resolutions** - HDTV and computer graphics up to 2K and 1080p/UXGA with selectable refresh rates

**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 with advanced de-interlacing options

**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**

**Microphone Inputs** - 2 dynamic or condenser (with 48V phantom voltage)

**Audio Amplifier & Speaker Output** - 2x10W

**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) normal mode; up to 180m (590ft) ultra mode (1080p @60Hz @24bpp) when using BC-HDKat6a cables

**On-Screen Display (OSD)** - For easy setup and adjustment, accessible via the IR remote control and via the front-panel buttons

**Built-in Web Page Server**

**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



# kramer

## 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, 1 3G HD-SDI on a BNC connector
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, 1 3G HD-SDI on a BNC connector, 1 stereo speaker output, 2x10W, on a 4-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
INCLUDED ACCESSORIES:	Power cord, rack "ears", IR remote control
Product Dimensions	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 Dimensions	52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21" ) W, D, H
Shipping Weight	3.6kg (7.9lbs) approx



