



VP-773A

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



- **INPUTS: HDMI, DISPLAYPORT, VGA, COMPOSITE VIDEO**
- **OUTPUTS: HDBaseT™, HDMI**
- **PICTURE-IN-PICTURE/PICTURE-AND-PICTURE**
- **LUMA KEYING**
- **2K RESOLUTION**
- **ULTRA-FAST GLITCH-FREE SWITCHING**
- **MASS NOTIFICATION EMERGENCY COMMUNICATION**
- **FULL WEB PAGE MANAGEMENT**
- **AUDIO AMPLIFIER & SPEAKER OUTPUT**



VP-773A

Designed to answer today's demanding applications, Kramer Electronics is proud to present the VP-773A scaler/switcher, a new addition to our latest line of ProScale™ digital presentation scaling switchers.

The new VP-773A scaler/switcher is ideal for homes, boardrooms, hotels, churches, lecture theatres and training rooms, as well as more complex installations. With fast, clean switching, it scales video devices, players, satellite decoders, document cameras, and video conferencing systems to the native resolution of the display device.

The VP-773A, together with the VP-770, VP-771 and VP-774AMP, offers a versatile feature set that includes Picture-in-Picture functions, luma keying, 2K resolution, Mass Notification Emergency Communication (MNEC), built-in Web server, and more. Using the latest technologies in digital signal processing, the VP-773A scaler/switcher delivers the ultimate in image manipulation and processing.

The VP-773A Features [*Also Available in the VP-774AMP]



- Kramer's PixPerfect™ Scaling Technology - Kramer's precision pixel mapping and high quality scaling technology
- K-IIT XL™ Picture-in-Picture Image Insertion Technology with Advanced Windows Customization
- Ultra-Fast Fade-Thru-Black (FTB™) Switching
- Advanced Input and Output EDID Management
- HDMI Deep Color Support and Control
- Multi-Color Space Support and Control
- Mass Notification Emergency Communication - Flexible options for displaying text or audio alerts on screen
- HDBaseT™ Technology
- Port Tunneling - Data on the RS-232 port is embedded and passed to/from the TP output
- Luma Keying
- Audio Amplifier & 2x10W Speaker Output
- HDTV Compatible
- HDCP Compliant
- Built-in ProcAmp - Color, sharpness, contrast, brightness and gamma control
- Powerful Noise Reduction Filters
- Ultra Picture Zooming - Up to 1600%
- Independent Audio Inputs - Embedding/de-embedding audio DSP functions
- 2 Microphone Inputs - Support mix and talk-over
- Audio DSP - For full control of audio inputs and outputs
- Power Saving - Automatically enters energy saving mode
- Flexible Control Options - Ethernet with built-in web server, front panel buttons via OSD, and IR remote (remote control included)

VP-773A Product Overview

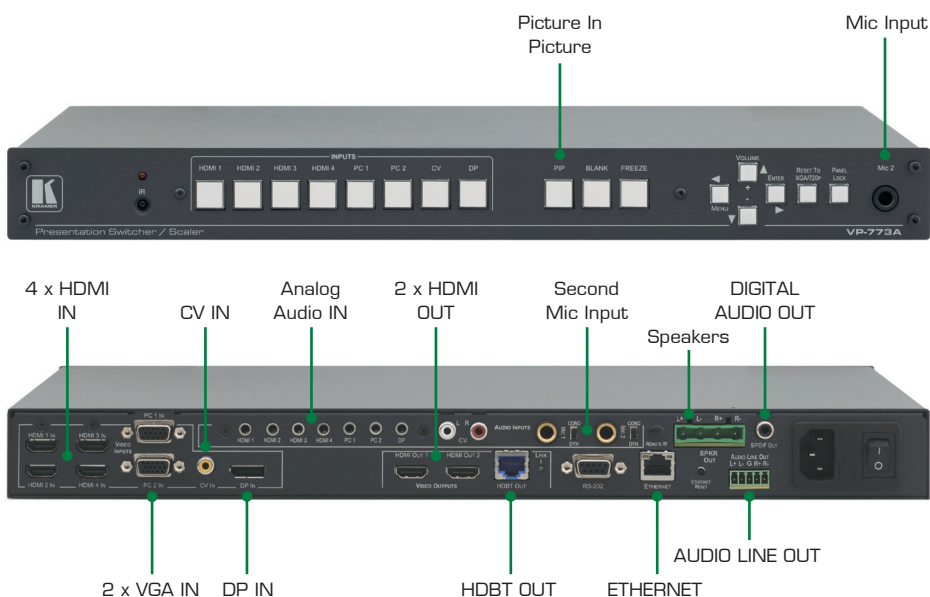
➔ 2K RESOLUTION

➔ MASS NOTIFICATION
EMERGENCY COMMUNICATION

➔ ULTRA-FAST,
GLITCH-FREE SWITCHING

➔ LUMA-KEYING

➔ PORT TUNNELING



Compatible with Kramer's HDBaseT Products

[* Features also available in the VP-774AMP]



The VP-773A incorporates a certified HDBaseT output port that works seamlessly with all Kramer's HDBaseT receivers e.g. TP-580R & TP-580RXR, and the WP-580R & WP-580RXR, enabling easy system design. When partnered with Kramer's HDBaseT products that support Ultra (Long Reach) mode and Kramer's BC-HDKat6a cable, the scaled HDBaseT video image from the VP-773A can be sent up to 130m (430ft) in normal mode and up to 180m (590ft) in ultra mode (1080p @60Hz @24bpp).

In addition to passing video and audio signals, the HDBaseT port can also be used for tunneling bi-directional data from the scaler's RS-232 port.

Outstanding Key Features of the VP-773A Scaler/Switcher

[* Features also available in the VP-774AMP]

Picture-in-Picture (PIP) Image Insertion Technology



The VP-773A features Kramer's unique customization technology for picture sizing, allowing Picture-in-Picture, Picture-and-Picture, or any other dual-window display. Using the Picture-in-Picture technology, two inputs can be shown simultaneously while both images can be sized in any manner and positioned anywhere on the screen.

Luma Keying

The VP-773A features an easy-to-use method of compositing two video sources into a single image. By setting up a "key" image or clip on a black background, this image can be merged – or overlaid – onto the primary video. The key image is transparent in the areas of its dark background, resulting in a picture which looks as if the key image is cut out and pasted over the primary image. This useful function of combining images from two different sources is suitable in many applications, including subtitling, labeling, advertising or logo insertion.



Mass Notification Emergency Communication



The new Kramer line of presentation scaling switchers includes a unique, versatile feature for immediate text overlaying, with flexible options such as the inclusion of an audio alert siren, and the choice of displaying via either a text crawler or a text window.

The system complies with the standard of the official national warning system in the United States, the **Mass Notification Emergency Communication (MNEC)**, which works in coordination with the Federal Emergency Management Agency (FEMA) and a number of US national emergency agencies.

The new Kramer Scalers also support automated campus emergency alerts suitable for educational facilities, corporate campuses, stadiums, and more. This essential feature immediately displays a campus-wide notification when an emergency situation develops. When connected to a network, the Kramer switcher automatically displays the alert message when it is received.

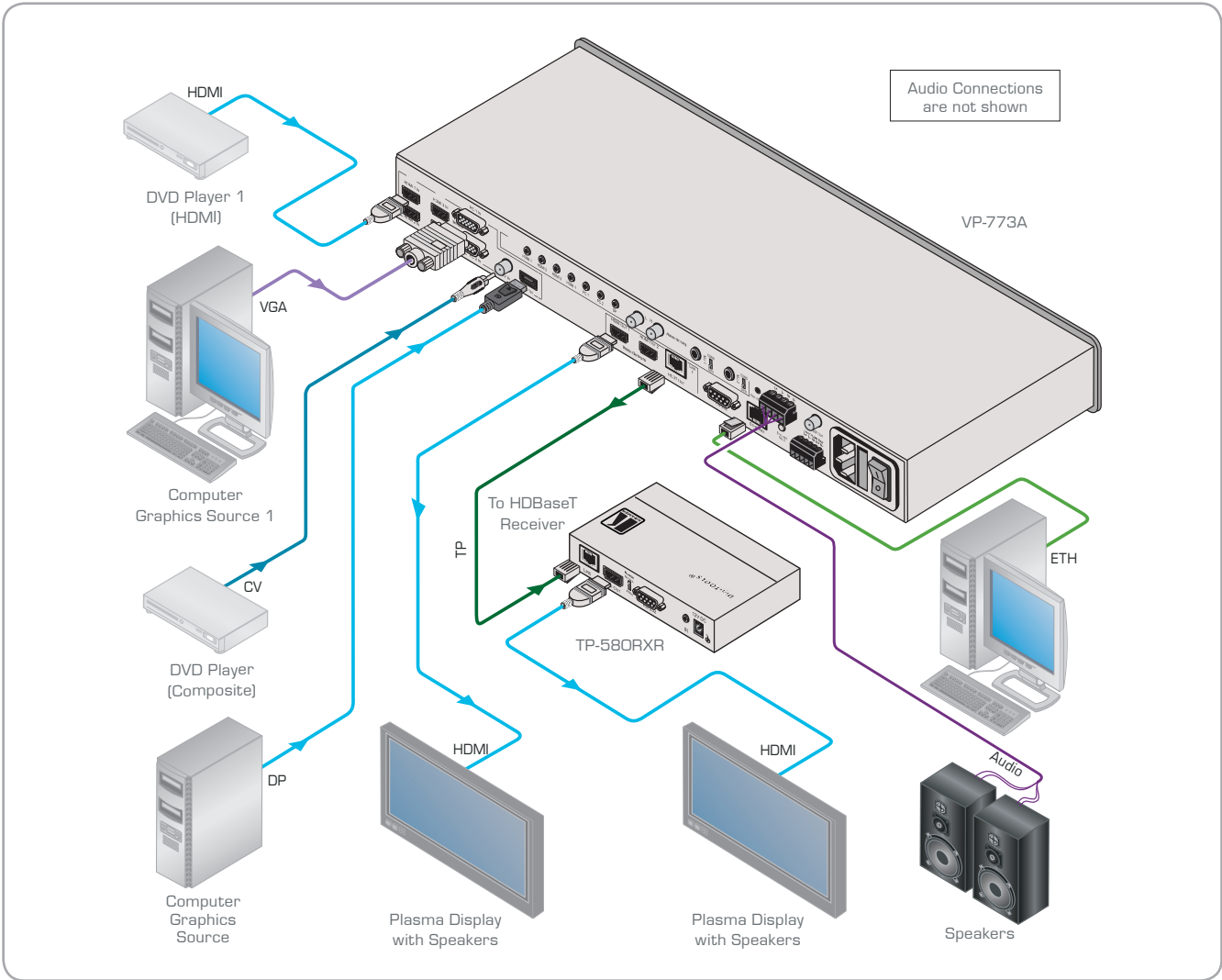
Emergency alert messages are composed and transmitted using the XML-based **Common Alert Protocol (CAP)** application that allows a warning message to be consistently disseminated simultaneously over many warning systems to many proprietary applications and devices. Messages with "Extreme" and "Severe" headers appear nearly full screen, covering any other content. Messages with lower levels of severity appear as text crawls along the bottom of the image. The new Kramer line of presentation switchers only requires an Ethernet connection to the appropriate campus network.

Full Web Page Management



The VP-773A enables full Web page management when connected through Ethernet. The built-in Web server is an easy-to-use tool, allowing simplified setup and remote access to switching, windows customization, scaling and deinterlacing functions. Configuring, navigating and monitoring the unit's features is simple. Additionally, our full Web page management allows you to control picture positioning and sizing, input and output color space, color depth, noise reduction, motion sensitivity, audio and image settings, and many more features of the VP-773A. Advanced functions such as luma keying, EAS, EDID management, port tunneling and keystone effects can also be controlled through the Web interface.

VP-773A Application Diagram



VP-773A/4: Key Feature Comparison

HDMI	VGA	CV	DP	SDI	HDMI	SDI	CAT 5	Size	Voltage	48V Mic Inputs	Talkover/Ducking	Audio Power Amplifier	PIP	Mass Notification Emergency Communication (MNEC)	Vertical Keystoning	Luma-Keying	HDBaseT Port Tunneling	2K Resolution	Picture Zooming	Ultra-fast, Glitch-free
INPUTS				OUTPUTS																
VP-773A																				
4	2	1	1	-	2	-	HDBaseT	19" 1U	110V/220V AC (Universal)	2	Yes + MIX	2 x 10W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VP-774AMP																				
4	2	1	1	1	2	1	HDBaseT	19" 1U	110V/220V AC (Universal)	2	Yes + MIX	2 x 10W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



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