



# KRAMER

## VP-770

8-Input ProScale™ Presentation  
Switcher/Scaler with Speaker Output

| HDMI | Microphone - 3.5/6.5mm | Speakers  
| Ethernet - RJ-45 | HDCP Compliant | DGKat



The VP-770 is a high-performance presentation switcher and scaler for composite video, component video, DisplayPort, computer graphics video, and HDMI signals. It scales the video, embeds the audio and outputs the signal to HDMI, computer graphics and DGKat twisted pair, together with digital audio, unbalanced stereo and a 10-watt amplified balanced stereo speaker output

## FEATURES

**K-IIT XL™ Picture-in-Picture Image Insertion Technology** - Ultrastable pictureinpicture, pictureandpicture, 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

**PixPerfect™ Scaling Technology** - Kramer's PixPerfect™ Scaling Technology – Kramer's precision pixel mapping and high quality scaling technology. Highquality 3:2 and 2:2 pull down deinterlacing and full up and down scaling of all video input 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, glitchfree switching. The output signal provides constant sync so the display never glitches

**Advanced EDID Management** - For each input and analysis of the EDID of a selectable master connection to one of the outputs

**Mass Notification Emergency Communication System (MNEC)** - Activates a national or campuswide 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

**DGKat™ Signal Integration** - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance

**Range** - Up to 90m (295ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BCDGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BCDGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BCDGKat7a23 cable

**HDTV Compatible**

**HDCP Compliant** - The HDCP (High Definition Content Protection) license agreement allows copyprotected data on the HDMI input to pass only to the HDMI output

**Video Inputs** - Component (Y, Pb, Pr) video on RCA connectors, DisplayPort (DP), 2 computer graphics on 15pin HD connectors, 2 composite video on RCA connectors and 2 HDMI

**Scaled Outputs** - HDMI, computer graphics on a 15pin HD connector and DGKat twisted pair on an RJ45 connector simultaneously

**Multiple Output Resolutions** - Up to 2K and 1080p

**HDMI Deep Color Support**

**Luma Keying** - Via PIP window

**Vertical Keystoning**

**Built-in ProcAmp** - Color, sharpness, contrast, brightness and gamma are set individually for each input

**3D Comb Filtering** - Provides the best quality color separation for composite video inputs

**Built-in Time Base Corrector** - Stabilizes unstable video sources

**Powerful Noise Reduction Filters** - Temporal, block, mosquito and combing

**Picture Zooming** - Up to 1600% both on main and PIP picture

**De-interlacing** - 3:2 and 2:2 pulldown; 24sf handling

**Multiple Aspect Ratio Selections** - Follow input, follow output, best fit, letterbox and overscan

**Dual Window Display** - Preset pictureinpicture, pictureandpicture and split screens, as well as customized window layouts

**Audio Inputs** - 2 HDMI, 2 computer graphics and 1 DisplayPort and 1 microphone in on 3.5mm mini jacks; 2 CV and 1 S/PDIF on RCA connectors

**Audio Outputs** - 1 S/PDIF on an RCA connector, 1 unbalanced stereo audio on a 3pin terminal block connector and a 2x10W builtin power amplifier with speaker outputs on terminal block connectors

**Input and Output Audio Level Adjustment**

Audio Delay - For lipsync correction

**Selectable Power Saving Modes** - For efficient energy usage

Microphone Input - Supports mix and talkover features, as well as delay to prevent feedback

Non-Volatile Memory - Saves final settings

Firmware Upgrades - Via Ethernet and RS232

Flexible Control Options - Front panel buttons, contact closure, OSD (onscreen display) via front panel buttons or IR remote (remote control included)

Worldwide Power Supply - 100-240V AC



# KRAMER

## TECHNICAL SPECIFICATIONS

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INPUTS:	2 HDMI (deep color) connectors, 2 VGA on 15pin HD connectors, 1 component video on 3 RCA connectors, 2 composite video on RCA connectors, 1 DisplayPort connector, 2 HDMI, 2 VGA, 1 DP, 2 CV unbalanced stereo audio on 3.5mm mini jack connectors, 1 S/PDIF (for component video input) digital audio on an RCA connector, 1 mic on a 3.5mm mini jack connector
OUTPUTS:	1 VGA on a 15pin HD connector, 1 HDMI (deep color)connector, 1 DGK at an RJ45 connector, 1 S/PDIF digital audio on an RCA connector, 1 unbalanced stereo audio on a 3pin terminal block connector, 12x10W speaker amplifier balanced stereo audio on terminal block connectors
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI (deep color) and HDCP, Supports: 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, 1360x768p60, 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, RS232 on a 9pin Dsub connector, Ethernet, contact closure
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 noncondensing
POWER SOURCE:	100240V AC, 56VA max
PRODUCT DIMENSION:	19" x 9.34 x 1U (43.6cm x 23.72cm 4.36cm) W, D, H
PRODUCT WEIGHT:	2.5kg (5.5lbs) approx
SHIPPING DIMENSION:	52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21" ) W, D, H
SHIPPING WEIGHT:	3.6kg (7.9lbs) approx
INCLUDED ACCESSORIES:	Power cord, rack "ears", IR remote control

Audio Connections  
are not shown

