



# KRAMER

## VP-771

9-Input ProScale™ Presentation  
Switcher/Scaler with Speaker Outputs

| HDMI | Microphone - 3.5/6.5mm | Speakers  
| Ethernet - RJ-45 | HDCP Compliant | DGKat  
| AV Award 2013



The VP-771 is a high-quality presentation switcher and scaler for a variety of signals. It accepts one of nine inputs: component video, DisplayPort (DP), 3G HD-SDI, two computer graphics, two composite video and two HDMI signals. It scales the video, embeds the audio, and outputs the signal to one HDMI, one computer graphics, one 3G HD-SDI and one DGKat TP, together with digital audio, unbalanced stereo and a 2x10-watt amplified balanced stereo speaker output

## 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

**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

**Advanced Deinterlacing Functions** - Method, sync, selectable film modes, diagonal correction and motion detection sensitivity, 3:2 and 2:2 pull-down; 24sf handling

**HDTV Compatible**

**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

**Multi-Standard Operation** - SDI (SMPTE 259M and SMPTE 344M), HD-SDI (SMPTE 292M) and 3G HD-SDI (SMPTE 424M)

**Advanced Input and Output EDID Management**

**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

**DGKat™ Signal Integration** - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables

**System Range** - Up to 90m (295ft) at 1080i @60hz or up to 70m (230ft) at 1080p @ 60hz when using Kramer DGKat cables. Note: Transmission range depends on the signal resolution, graphics card and display used. If using third-party shielded CAT cables, both ends of the shield must be soldered to the connectors for the products to function properly

**Video Inputs** - Component (Y, Pb, Pr) video on RCA connectors, DisplayPort (DP), SD/HD/3G HD-SDI (including SDI loop) on BNC connectors, 2 computer graphics on 15-pin HD connectors, 2 composite video on RCA connectors and 2 HDMI

**Scaled Outputs** - HDMI, computer graphics on a 15-pin HD connector, SD/HD/3G HD-SDI on a BNC connector and DGKat twisted pair on an RJ-45 connector

**SDI Channeling** - Select one active signal and three bypassed signals from eight embedded stereo audio channels

**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** - Both on main and PIP window from 100% to 1600%, including separate V and H sharpness control

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

**Dual Window Display** - Preset picture-in-picture, picture-and-picture 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 3-pin terminal block connector

**Built-in Audio Power Amplifier** - 10W per channel audio amplifier with speaker outputs

**HDMI Audio** - Embeds/de-embeds HDMI audio with delay of 0-90msec for lip-sync correction

**Microphone Input** - Supports mix and talk-over features, as well as 0-90msec delay to prevent feedback

**Non-Volatile Memory** - Saves final settings

**Firmware Upgrades** - Via Ethernet and RS-232

**Flexible Control Options** - Front panel buttons, contact closure, OSD (on-screen display) via front panel buttons or IR remote (remote control included), Control Application software for use via Ethernet and RS-232

**Selectable Power Save Modes**

**Worldwide Power Supply** - 100-240V AC



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## TECHNICAL SPECIFICATIONS

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**INPUTS:** 2 HDMI (deep color) connectors,  
2 VGA on 15-pin HD connectors,  
1 component video on 3 RCA connectors,  
2 composite video on RCA connectors,  
1 DisplayPort connector,  
1 SD/HD/3G HD-SDI plus loop a BNC 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 15-pin HD connector,  
1 SD/HD/3G HD-SDI on a BNC connector,  
1 HDMI (deep color) connector,  
1 DKGat on an RJ-45 connector,  
1 S/PDIF digital audio on an RCA connector,  
1 unbalanced stereo audio on a 3-pin terminal block connector,  
2x10W speaker amplifier balanced stereo audio on terminal block connectors

**COMPLIANCE WITH STANDARDS:** Supports HDMI (deep color) and 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, contact closure

**POWER CONSUMPTION:** 100-240V AC, 56VA max

**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

**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** 2.5kg (5.5lbs) 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



Audio connections  
are not shown

