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

KRAMER

TECHNICAL SPECIFICATIONS

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 DGKat 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 Dimension	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 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

HDMI

DVD Player 1
(HDMI)

VGA

DVD Player 1
(Composite)

CV

Computer
Graphics
Source 1

YUV

DVD Player
(Component)

DP

Computer
Graphics
Source

SDI

Digital
Camera

SDI

Display

To
PT-572+

SDI

Display
with Speakers

VGA

Analog
Display

RS-232

HDMI

Plasma
Display