KRAMER

VP-461
3-Input Analog & HDMI ProScale™ Presentation Switcher/Scaler

| HDMI

The VP-461 is a high-quality presentation switcher and scaler with PIP for computer graphics, HDMI and DisplayPort signals. It scales the video, embeds the audio and outputs the signal to the HDMI output, as well as to the computer graphics video output together with an unbalanced audio 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 a DisplayPort video source or vice versa with window positioning and sizing controls

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 downscaling 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

HDTV Compatible

40 Output Resolutions - Up to WUXGA, 1080p and 2K

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

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

Picture Zooming - 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

Advanced EDID Management - For each input and each output

Non-Volatile Memory - Saves final settings

Firmware Upgrades - Via RS232

Flexible Control Options - Front panel buttons, OSD (onscreen display) via front panel buttons or IR remote (remote control included), Control Application software for use via RS232

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TECHNICAL SPECIFICATIONS

INPUTS:	1 computer graphics on a 15pin HD connector, 1 HDMI connector, 1 DisplayPort connector, 1 unbalanced stereo audio on a 3.5mm mini jack connector
OUTPUTS:	1 computer graphics on a 15pin HD connector, 1 HDMI connector, 1 unbalanced stereo audio on a 3.5mm mini jack connector
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI Deep Color
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, 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, 2K50, 2K60
CONTROLS:	Front panel buttons, OSD, IR remote control, RS232 on a 9pin Dsub connector
POWER CONSUMPTION:	5V DC, 2.90A
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	40° to +70°C (40° to 158°F)
HUMIDITY:	10% to 90%, RHL noncondensing
PRODUCT DIMENSION:	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H
PRODUCT WEIGHT:	1.0kg (2.2lbs) approx
SHIPPING DIMENSION:	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
SHIPPING WEIGHT:	1.6kg (3.5lbs) approx
INCLUDED ACCESSORIES:	Power supply, IR remote control, control application program via RS232 (PC)
OPTIONS:	RK1 rack adapter

VGA

RS-232

Computer
Graphics Source

Analog
Display

VGA

HDMI

DP

HDMI

DVD Player

Computer
Graphics Source

Plasma
Display