



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 - Ultra-stable picture-in-picture, picture-and-picture, 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. 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

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 pull-down; 24sf handling

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

Advanced EDID Management - For each input and each output

Non-Volatile Memory - Saves final settings

Firmware Upgrades - Via RS-232

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



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TECHNICAL SPECIFICATIONS

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|--------------------------------|--|
| INPUTS: | 1 computer graphics on a 15-pin 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 15-pin 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, RS-232 on a 9-pin D-sub 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 non-condensing |
| INCLUDED ACCESSORIES: | Power supply, IR remote control, control application program via RS-232 (PC) |
| 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 |

