

# VP-436

## 7-Input Analog & HDMI ProScale™ Presentation Digital Scaler/Switcher

NEW



The VP-436 is a 7-input scaler/switcher for composite video, s-Video (Y/C), component video, computer graphics video and HDMI with unbalanced stereo and S/PDIF audio signals. It scales the selected video signal to a computer graphics or HDTV output resolution, embeds the audio and outputs an HDMI signal.

### FEATURES

- **K-Storm™ Scaling Technology** - Kramer's extremely high-performance scaling technology. High-quality 3:2 and 2:2 pull down de-interlacing and full up and down scaling of computer graphics video input signals.
- **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.
- **Video Inputs** - 1 composite video, 1 s-Video, 2 component video, 1 computer graphics (15-pin HD) & 2 HDMI.
- **Scaled Outputs** - A single output signal simultaneously available in 3 formats: 1 HDMI and 2 RGBHV (5 BNC, & 15-pin HD).
- **18 Output Resolutions** - Up to WUXGA & 1080p.
- **Audio Inputs** - 7 unbalanced on terminal blocks, individual level control.
- **Audio Output** - Transcodes to both stereo and S/PDIF audio simultaneously (RCAs) and embeds audio onto the HDMI output, master volume control.
- **Multi-Standard** - PAL & NTSC.
- **Audio Delay** - 40ms, 110ms, 150ms, or disable.
- **Companion AFV (Audio-Follow-Video)** - Stereo audio for every input.
- **Built-in ProcAmp** - Color, hue, sharpness, noise, contrast, and brightness.
- **Front Panel Control** - Audio mute, video blanking & freeze frame.

- **Front Panel Lockout**.
- **Multiple Aspect Ratio Selections** - Full, overscan, underscan, letter box & panscan.
- **Flexible Control Options** - Front panel buttons, IR remote with OSD (on-screen display) & RS-232.
- **Worldwide Power Supply** - 100-240V AC.
- **Standard 19" Rack Mount Size** - 1U. Rack "ears" included.

### TECHNICAL SPECIFICATIONS

**INPUTS:**  
 2 HDMI connectors (HDMI, HDCP version 1.1),  
 1 VGA on a 15-pin HD connector,  
 1 composite video on an RCA connector,  
 1 YC on a 4-pin connector,  
 2 component video each on 3 RCA connectors, 2 HDMI, 1 VGA, 2 COMP, 1 CV,  
 1 YC unbalanced stereo audio on 7 3-pin terminal block connectors.

**OUTPUTS:**  
 1 RGBHV on 5 BNC connectors,  
 1 HDMI connector (HDMI, HDCP version 1.1),  
 1 VGA on a 15-pin HD connector,  
 1 S/PDIF on an RCA connector,  
 1 analog stereo audio on RCA connectors.

**OUTPUT RESOLUTIONS:**  
 480i, 480p, 720p60, 1080i60, 1080p60,  
 576i, 576p, 720p50, 1080i50, 1080p50,  
 WXGA, WSXGA, WUXGA, VGA, SVGA, XGA,  
 SXGA, UXGA, Native.

**V FREQUENCY:**  
 50-100kHz.

**RGB SYNCs:**  
 H and V TTL separated syncs.

**RGB LEVEL:**  
 1.2Vpp max, 75% @ load.

**XGA OUT LEVEL:**  
 1.2Vpp max, 75% @ load.

**S/PDIF OUT LEVEL:**  
 0.55Vpp constant.

**OUTPUT RESOLUTIONS:**  
 480i, 480p, 576i, 576p, 720p, 1080i,  
 1080p, VGA, SVGA, XGA, SXGA, UXGA,  
 WXGA, WSXGA, WUXGA, 1280x800,  
 1440x900, 1400x1050, Native.

**OUTPUT REFRESH RATE:**  
 60Hz for computer graphics resolutions,  
 50/60Hz for HDTV resolutions.

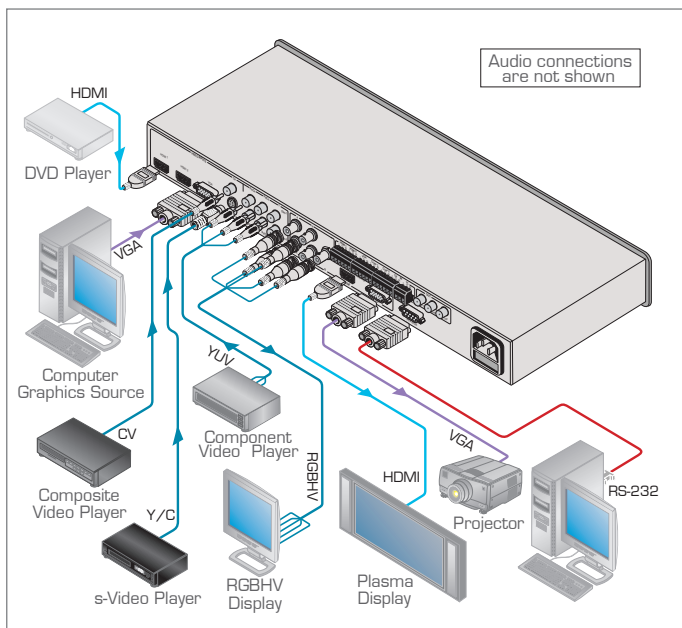
**CONTROLS:**  
 CV, YC, component 1, component 2, VGA,  
 HDMI 1, HDMI 2, input selector buttons;  
 blank, mute, freeze buttons; menu, enter,  
 menu arrows, reset to XGA/720p, lock  
 buttons, RS-232, IR.

**POWER SOURCE:**  
 100-240V AC, 33VA max.

**DIMENSIONS:**  
 19" x 7" x 1U W, H, D, rack mountable.

**WEIGHT:**  
 2.7kg (6lbs) approx.

**ACCESSORIES:**  
 Power cord, null-modem adapter,  
 rack "ears".



SCAN CONVERTERS & SCALERS

