

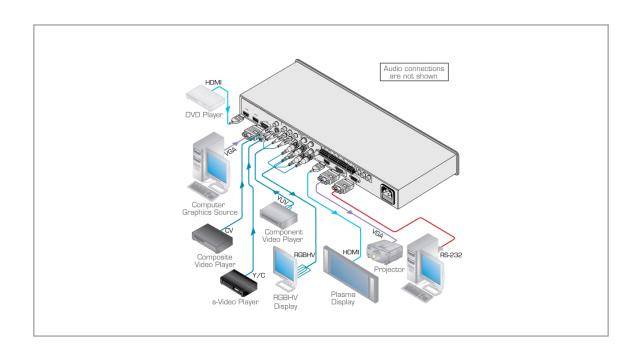
VP-436

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





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.





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FEATURES

- K-StormTM Scaling Technology - Kramer's extremely high-performance 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 Content Protection) license Definition 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 (15pin 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.
- Ratio Selections - Full, Multiple Aspect 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.

1 RGBHV on 5 BNC connectors, **OUTPUTS:**

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.

H FREQUENCY: 15.63-90kHz.

V FREQUENCY: 50-100kHz.

RGB SYNCS: H and V TTL separated syncs.

RGB LEVEL: 1.2Vpp max, 75Ω load. XGA OUT 1.2Vpp max, 75Ω load.

LEVEL:

S/PDIF OUT 0.55Vpp constant.

LEVEL:

480i, 480p, 576i, 576p, 720p, OUTPUT RESOLUTIONS: 1080i, 1080p, VGA, SVGA, XGA,

SXGA, UXGA, WXGA, WSXGA, WUXGA, 1280x800, 1440x900,

1400x1050, Native.

OUTPUT

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

resolutions.

CV, YC, component 1, CONTROLS:

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.

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

SOURCE:

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

mountable.

2.7kg (6lbs) approx. WEIGHT: