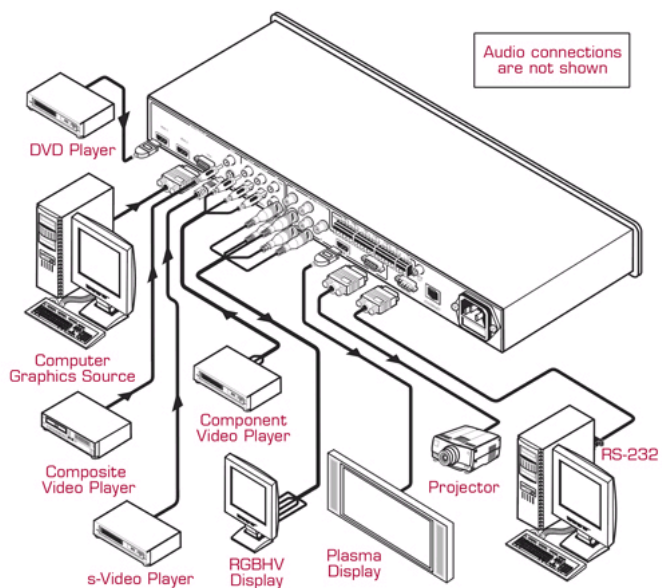


**PROSCALE™ ANALOG & HDMI PRESENTATION SCALER / SWITCHER**

**DESCRIPTION**

The VP-437 is a 7-input scaler/switcher with unbalanced stereo audio. The unit scales any composite, s-Video (Y/C), component video (YUV), computer graphics video or HDMI signal up or down to a selectable graphics output resolution, converts the audio to a S/PDIF output and embeds it onto the HDMI output.

- 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.
- 7 Video Inputs - 1 RCA (Composite video), 1 4-Pin (s-Video, 2x3 RCA (component video), 1 15-Pin HD (computer graphic video) & 2 HDMI.
- Scaled Outputs - A single output signal in 3 formats: HDMI, 5 BNC, & 15-Pin HD connectors.
- Computer Graphics Output Resolutions - Up to WUXGA (1920x1200).
- HDTV Output Resolutions - Up to 1080p.
- Audio Inputs - 7 unbalanced on terminal blocks.
- Audio Outputs - 1 S/PDIF. Embeds audio on the HDMI output.
- Multi-Standard Video Signal Compatibility - PAL & NTSC.
- Audio Delay - 40ms, 110ms, 150ms or disable.
- HDTV Compatible Component Input.
- Companion AFV (audio-follow-video) Stereo Audio for Every Input.
- Built-in Proc-Amp - Color, hue, sharpness, noise, contrast, and brightness.
- Aspect Ratio - Full, pan-scan, over-scan, under-scan & letterbox.
- Front Panel Control - Audio mute, video blanking & freeze frame.
- Front Panel Lockout.
- Flexible Control Options - Front panel buttons, Ethernet, IR Remote with OSD (on-screen display) & RS-232.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.

VP-437**PROSCALE™ ANALOG & HDMI PRESENTATION SCALER / SWITCHER****SPECIFICATIONS**

INPUTS:	2 HDMI connectors (HDMI version 1.2, HDCP version 1.1) 1 VGA on an HD15F connector 1 composite video on an RCA connector 1 YC on a 4p 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
OUTPUT:	1 RGBHV on 5 BNC connectors 1 HDMI connector (HDMI version 1.2, HDCP version 1.1) 1 VGA on an HD15F connector 1 S/PDIF on an RCA connector
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 LEVEL:	1.2Vpp max, 75Ω load
S/PDIF OUT LEVEL:	0.55Vpp constant
POWER SOURCE:	143mA AC x 230VAC
OUTPUT RESOLUTIONS:	720p60, 1080i60, 1080p60, 576i, 576p, 720p50, 1080i50, 1080p50, WXGA, WSXGA, WUXGA, NATIVE, VGA, SVGA, XGA, SXGA, UXGA, 480i, 480p
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, Ethernet, IR
POWER SOURCE:	100-240V AC, 33VA max. (to be confirmed)
DIMENSIONS:	19-inch (W), 7-inch(D) 1U (H) rack mountable
WEIGHT:	2.7kg. (6 lbs.) approx
ACCESSORIES:	Power cord, Null modem adapter, rack ears, IR remote
OUTPUT REFRESH RATE:	60Hz for computer graphics resolutions, 50/60Hz for HDTV resolutions