VP-731
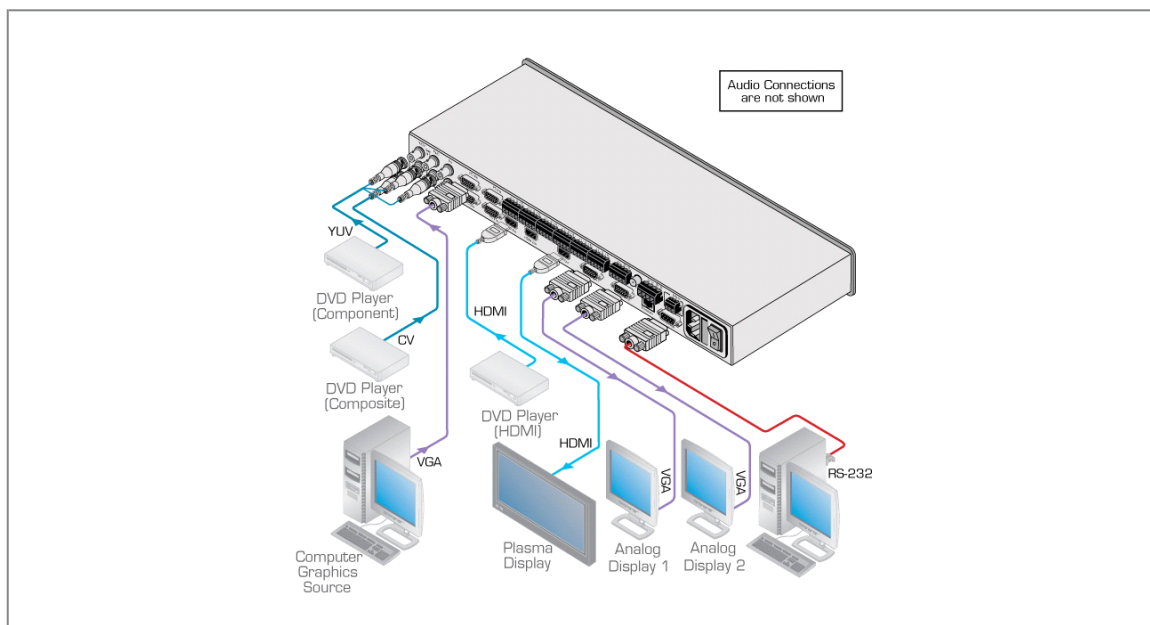
9-Input ProScale™ Presentation Scaler/Switcher with Ethernet Control

The VP-731 is a 9-input scaler/switcher for analog video, digital video, balanced stereo and S/PDIF audio signals. It up or down-scales composite, s-Video (Y/C), component video (YUV), HDMI, computer graphics video and JPEG files to a selectable computer graphics video or HDTV output resolution on one HDMI and two 15-pin HD outputs. The VP-731 is the same as the VP-730 with the addition of Ethernet control.

VP-731

FEATURES

- **HQV® Video Processing** - HQV (Hollywood Quality Video) processing represents the state-of-the-art in video processing technology, with the highest quality de-interlacing (with 3:2 & 2:2 pull down), noise reduction, and scaling performance for both standard-definition and high-definition signals.
- **Fade-Thru-Black (FTB™) Switching** - The video fades to black and then the new input fades from black for smooth, glitch-free switching. The output signal provides constant sync so the display never glitches.
- **Video Inputs** - 2 universal video each on 3 BNC connectors (composite, s-Video, component), 4 computer graphics/component video (15-pin HD), 2 HDMI and 1 USB (for JPEG data).
- **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 computer graphics video source or vice versa with window positioning and sizing controls.
- **Projector Anywhere™ Technology** - Horizontal & vertical geometry controls to compensate for off-axis projector placement.
- **Scaled Video Outputs** - 1 HDMI & 2 15-pin HD.
- **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.
- **Multi-Standard** - Auto, NTSC (3.58/4.43), PAL (M/N/60) & SECAM.
- **HDTV Compatible Component Input.**
- **HDTV Output Resolutions** - 720p, 1080i, and 1080p.
- **Computer Graphics Output Resolutions** - 23 plus 4 user-definable (custom) output resolutions with selectable refresh rates.
- **Multiple Aspect Ratio Selections.** - 4x3 or 16x9, anamorphic, letter box, and user definable settings.
- **Companion AFV (Audio-Follow-Video) for Every Analog Video Input** - Supports embedded audio on the 2 HDMI inputs and outputs.

TECHNICAL SPECIFICATIONS

INPUT:	4 universal Y/CV, Pb/C, Pr (composite, s-Video and component); 1Vpp/75Ω on BNC connectors; 2 UXGA on a 15-pin HD (F) connector (VGA through UXGA); 2 HDMI connectors; 1 USB connector; For each universal input there is a corresponding (unbalanced) audio stereo input and digital S/PDIF input on RCA connectors. For each UXGA input there is a corresponding (unbalanced) audio stereo input on a 3.5mm mini jack connector.
OUTPUTS:	1 HDMI connector; 2 UXGA format on 15-pin HD connectors; 1 unbalanced audio stereo output on RCA connectors; 1 digital S/PDIF output on an RCA connector.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI 1.3 and HDCP.
OUTPUT RESOLUTION:	Native HDMI, 640x480 (60/75Hz), 800x600 (50/60/75Hz), 1024x768 (50/60/75Hz), 1280x768 (50/60Hz), 1280x800 (60Hz), 1280x1024 (50/60/75Hz), 1366x768 (50/60Hz), 1400x1050 (50/60Hz), 1600x1200 (50/60Hz), 1680x1050 (60Hz) 1920x1080 (60Hz), 1920x1200 (60Hz), 480p (60Hz), 576p (60Hz), 720p (50/60Hz), 1080i (50/60Hz), 1080p (50/60Hz) or Custom.
CONTROL:	Front panel buttons/OSD, IR remote control, Ethernet, RS-232 on a 9-pin D-sub connector, Picture-In-Picture: video in graphics (or vice versa) in any size and at any location, or split-screen (2 images side-by-side).
ADDITIONAL CONTROLS:	Freeze, zoom, different selectable vertical refresh rates, video and audio ProcAmp control, output image scaling