



# KRAMER

## VP-444

12-Input HDMI & Analog ProScale™ Presentation Digital Scaler/Switcher with Microphone Inputs & Ethernet Control



The VP-444 is a high-performance presentation scaler/switcher for HDMI and computer graphics signals. The unit scales the video, embeds the audio, and outputs the signal to two HDMI (with embedded audio) outputs (with S/PDIF and balanced stereo audio) simultaneously.

## FEATURES

- **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.
- HDTV Compatible.
- HDCP Compliant.
- **Video Inputs** - 10 HDMI & 2 computer graphics video on 15-pin HD connectors.
- **Scaled Outputs** - 2 HDMI.
- **22 Output Resolutions** - Up to WUXGA/1080p.
- **2 Microphone Inputs** - For mixing, switching or talk-over (with 48V phantom selection).
- **Auto Input Scanning and Switching.**
- **Companion AFV (Audio-Follow-Video)** - Stereo audio for every input (on terminal blocks).
- **Audio Inputs** - 12 unbalanced stereo on terminal blocks & embedded audio for HDMI inputs, each with individual level controls.
- **Audio Outputs** - 1 S/PDIF on an RCA connector, 1 balanced stereo audio on a terminal block, embedded audio on the HDMI outputs.
- **Multiple Aspect Ratio Selections** - Full, overscan, underscan, letterbox & panscan.
- **Audio DSP** - Powerful digital audio signal processing, including audio equalization, mixing, delay, etc.
- **Built-in ProcAmp** - Color, hue, sharpness, noise, contrast & brightness.
- **Color Sampling** - Supports 4:4:4 (RGB and YUV) as well as 4:4:2 (YUV) color sampling.
- **Constant Output Sync** - No disruption on the output while switching between inputs and when no video is detected.
- **Front Panel Control** - Audio mute & freeze frame.
- **Built-in Web Pages.**
- **Front Panel Lockout.**
- **Non-Volatile Memory** - Saves final settings.
- **Flexible Control Options** - Front panel, IR remote with OSD (on-screen display), Ethernet with built-in Web pages & RS-232.

## TECHNICAL SPECIFICATIONS

INPUTS:	10 HDMI connectors (HDMI, HDCP version 1.1), 2 VGA on a 15-pin HD connector, 1 unbalanced stereo audio on 12 3-pin terminal block connectors, 2 mic on 6mm jack connectors (with selectable 48V phantom power).
OUTPUTS:	2 HDMI connectors (HDMI, HDCP version 1.1), 1 S/PDIF on an RCA connector, 1 unbalanced stereo audio on a 5-pin terminal block connector.
BANDWIDTH:	Up to 1080p, UXGA.
SWITCHING TIME BETWEEN INPUTS:	2 to 3 seconds.
VIDEO LATENCY:	Less than 2 frames.
OUTPUT RESOLUTIONS:	Native, 640x480 @60Hz, 800x600 @60Hz, 1024x768 @60Hz, 1280x768 @60Hz, 1360x768 @60Hz, 1280x720 @60Hz, 1280x800 @60Hz, 1280x1024 @60Hz, 1440x900 @60Hz, 1400x1050 @60Hz, 1680x1050 @60Hz, 1600x1200 @60Hz, 1920x1080 @60Hz, 1920x1200 @60Hz, 480p @60Hz, 720p @60Hz, 1080i @60Hz, 1080p @60Hz, 576p @50Hz, 720p @50Hz, 1080i @50Hz, 1080p @50Hz.
CONTROLS:	HDMI 1 to HDMI 10 and PC 1 to PC 2 input selector buttons, Freeze, Mute buttons, Menu and navigation buttons, Reset to XGA/720p and lock buttons, RS-232, IR, Ethernet (OSD and Web pages), USB for firmware upgrading.
POWER CONSUMPTION:	100–240V AC, 22VA max.
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.
DIMENSIONS:	19" x 7" x 1U (W, D, H) rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
INCLUDED ACCESSORIES:	Power cord, rack ears, IR remote control.

