



# KRAMER

## VP-440

Compact 6Input Presentation  
Switcher/Scaler with HDBaseT & HDMI  
Simultaneous Outputs

| VGA/UXGA - 15-pin HD | HDMI  
| HDCP Compliant | HDBaseT



The VP440 is a highperformance presentation scaler/switcher with four HDMI and two computer graphics (VGA) inputs. The unit scales the video, embeds the audio and outputs the signal to an HDMI output and an HDBaseT output simultaneously. The unit includes analog and embedded audio inputs and outputs

## FEATURES

**PixPerfect™ Scaling Technology** - Kramer's precision pixel mapping and highquality scaling technology. Highquality 3:2 and 2:2 pull down deinterlacing and full up and downscaling of all video input signals

**HDTV Compatible**

**HDCP Compliant**

**HDBaseT Certified**

**System Range** - For the HDBT inputs and outputs, up to 70m (230ft)

**Cables** - For optimum range and performance using HDBaseT™, use Kramer's BCUNIKat cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using nonKramer CAT 6 cable may not reach these ranges

**Max VGA Resolution** - 1920 x 1200 @60Hz

**Output Resolutions** - Up to UXGA/1080p output resolutions

**Multiple Aspect Ratio Selections** - Full, best fit, overscan, underscan, letter box and panscan

**Built-in ProcAmp** - Color, hue, sharpness, noise, contrast and brightness

**Color Sampling** - Supports 4:4:4 (RGB and YUV) as well as 4:2:2 (YUV) color sampling in native mode

**Constant Output Sync** - No output disruption while switching between inputs when no video is detected

**Powerful Audio Features** - Via DSP technology including audio equalization, mixing, delay, etc

**Auto Input Switching** - Last connected & autoscans, selectable

**Audio** - Unbalanced stereo and embedded audio for HDMI/HDBT with individual input level controls

**Companion AFV (Audio-Follow-Video)** - Stereo audio for every input, on terminal blocks

**Microphone Input** - For mixing, switching or talkover

**Dedicated RS-232 Port** - For bidirectional data tunneling via HDBaseT

**Front Panel Lockout**

**Non-Volatile Memory** - Saves final settings

**Flexible Control Options** - Front panel buttons, Ethernet with builtin Web pages, OSD (onscreen display), RS232, remote contact closure switches



## TECHNICAL SPECIFICATIONS

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INPUTS:	4 HDMI connectors (HDMI, HDCP version 1.4); 2 VGA on a 15pin HD connector; 6 unbalanced stereo audio on 3.5mm mini jack connectors; 1 mic on a 6.3mm jack connector (with selectable 48V phantom power)
OUTPUTS:	1 HDMI connector (HDMI, HDCP version 1.4); 1 HDBT on a RJ45 connector; 1 unbalanced stereo audio on a 3.5mm mini jack connector
BANDWIDTH:	Up to 1080p, UXGA
SWITCHING TIME BETWEEN INPUTS:	2 to 3 seconds
VIDEO LATENCY:	Less than 2 frames
INPUT RESOLUTIONS PC 1/2:	640x480@60Hz, 640x480@72Hz, 640x480@75Hz, 640x480@85Hz, 800x600@56Hz, 800x600@60Hz, 800x600@72Hz, 800x600@75Hz, 800x600@85Hz, 1024x768@60Hz, 1024x768@70Hz, 1024x768@75Hz, 1024x768@85Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1280x720@60Hz, 1920x1080@60Hz, 1600x1200@60Hz, 1280x800@60Hz, 1440x900@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x900RB@60Hz, 1680x1050RB@60Hz, 1920x1200RB@60Hz
INPUT RESOLUTIONS HDMI:	480i, 480p, 576i, 576p, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz, 1080p@60Hz, 1080p@24Hz, 1080p@25Hz, 1080p@30Hz, 640x480@60Hz, 640x480@72Hz, 640x480@75Hz, 640x480@85Hz, 800x600@56Hz, 800x600@60Hz, 800x600@72Hz, 800x600@75Hz, 800x600@85Hz, 1024x768@60Hz, 1024x768@70Hz, 1024x768@75Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1280x720@60Hz, 1920x1080@60Hz, 1280x960@60Hz, 1600x1200@60Hz, 1280x800@60Hz, 1440x900@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x900RB@60Hz, 1680x1050RB@60Hz, 1920x1200RB@60Hz
OUTPUT RESOLUTIONS:	640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x800@60Hz, 1360x768@60Hz, 1440x900@60Hz, 1280x1024@60Hz, 1400x1050@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1920x1200RB@60Hz, 1280x720@60Hz, 1920x1080@60Hz, 720x480p@60Hz, 720x576p@50Hz, 1280x720p@50Hz, 1280x720p@60Hz, 1920x1080i@50Hz, 1920x1080i@60Hz, 1920x1080p@50Hz, 1920x1080p@60Hz
CONTROLS:	HDMI 1 to HDMI 4 and PC 1 to PC 2 input selector buttons; Input select contact closure; Menu and navigation buttons; Reset to XGA/720p and panel lock buttons; RS232 (control and data); Ethernet (OSD and Web pages)
POWER CONSUMPTION:	5V DC, 3A
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 noncondensing
INCLUDED ACCESSORIES:	Power supply
OPTIONS:	RK1 rack adapter

