



KRAMER

VP-440

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

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



The VP-440 is a high-performance 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 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

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 BC-UNIKat cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using non-Kramer 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 & auto-scan, 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 talk-over

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 built-in Web pages, OSD (on-screen display), RS-232, remote contact closure switches



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TECHNICAL SPECIFICATIONS

INPUTS:	4 HDMI connectors (HDMI, HDCP version 1.4); 2 VGA on a 15-pin 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 RJ-45 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; RS-232 (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 non-condensing
INCLUDED ACCESSORIES:	Power supply
PRODUCT DIMENSION:	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H
PRODUCT WEIGHT:	1.1kg (2.4lbs) approx
SHIPPING DIMENSION:	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
SHIPPING WEIGHT:	1.5kg (3.4lbs) approx

