



# KRAMER

## VP-440H2

Compact 5Input 4K60 4:4:4 Presentation  
Switcher/Scaler with HDBaseT & HDMI  
Simultaneous Outputs

| VGA/UXGA - 15-pin HD | HDMI  
| HDCP Compliant | HDBaseT  
| HDCP 2.2 Compatible



VP440H2 is a highperformance 4K@60Hz (4:4:4) presentation scaler/switcher with one HDBaseT/POE, three HDMI and one computer graphics (VGA) inputs. The unit scales the video, embeds the audio and outputs the signal to an HDMI 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

HDMI 2.0 Compliant

HDCP 2.2 Compliant

HDBaseT Certified

**System Range** - For the HDBT inputs and outputs, extended reach of up to 100m (330ft) using Kramer recommended cables

**Provides Power (PoE) on HDBaseT Input to Compatible Devices**

Max. VGA Resolution - 1920 x 1200 @60Hz

Max. Resolutions - 4K@60Hz (4:4:4)

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

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

**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 HDMI and PC inputs, on 3.5mm mini jacks

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

**HDBaseT Tunneling** - Supports full HDBT tunneling of Ethernet and RS232 data

**Front Panel Lockout**

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

**Flexible Control Options** - Front panel push buttons, RS232, OSD (onscreen display) menu with front panel navigation buttons, Ethernet with builtin Web pages



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## TECHNICAL SPECIFICATIONS

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INPUTS:	3 HDMI connectors (HDMI 2.0, HDCP 2.2), 1 VGA on a 15pin HD connector, 1 HDBT on an RJ45 connector; 4 unbalanced stereo audio on 3.5mm mini jack connectors; 1 microphone on a 6.3mm jack connector (with selectable 48V phantom power)
OUTPUTS:	1 HDMI connector (HDMI 2.0, HDCP 2.2); 1 HDBT on an RJ45 connector; 1 unbalanced stereo audio on a 3.5mm mini jack connector
MAX RESOLUTION:	4K@60Hz (4:4:4)
SWITCHING TIME BETWEEN INPUTS:	2 to 3 seconds
VIDEO LATENCY:	Less than 2 frames
INPUT RESOLUTIONS HDMI/HDBT:	480i, 480p, 576i, 576p, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 640x480@60/67/72/75/85Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1280x1024@60/75Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1920x1080@60Hz, 1600x1200@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x900RB@60Hz, 1680x1050@60Hz, 1920x1200RB@60Hz, 4K@24/25/30Hz, 4K(4:2:0)@50/60Hz, 4K(4:4:4)@50/60Hz* *Note: 4K(4:4:4)@50/60Hz is supported on the HDMI inputs only
INPUT RESOLUTIONS PC	640x480@60/67/72/75/85Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1280x1024@60/75Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1920x1080@60Hz, 1600x1200@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x900RB@60Hz, 1680x1050@60Hz, 1920x1200RB@60Hz
OUTPUT RESOLUTIONS:	480p, 576p, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x720@60Hz, 1280x800@60Hz, 1360x768@60Hz, 1280x1024@60Hz, 1440x900@60Hz, 1400x1050@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1920x1080@60Hz, 1920x1200RB@60Hz, 4K@24/25/30Hz, 4K(4:2:0)@50/60Hz, 4K(4:4:4)@50/60Hz* *Note: When outputting HDMI 4K 4:4:4@50/60Hz, the color sampling on the HDBT output is set to 4:2:0
CONTROLS:	Front panel push buttons; RS232; OSD (onscreen display) menu with front panel navigation buttons; Ethernet with builtin Web pages
POWER CONSUMPTION:	48V DC, 850mA
PRODUCT DIMENSION:	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72" ) W, D, H
PRODUCT WEIGHT:	1.5kg (3.3lbs) approx
SHIPPING DIMENSION:	40.50cm x 29.70cm x 9.00cm (15.94" x 11.69" x 3.54" ) W, D, H
SHIPPING WEIGHT:	2.6kg (5.7lbs) approx
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

