



# KRAMER

## VP-440H2

Compact 5-Input 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



VP-440H2 is a high-performance 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 high-quality scaling technology

**HDMI Support** - 4K@60 (4:4:4) and xvYCC color (on input) as specified in HDMI 2.0

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

**Microphone Input** - For mixing, switching or talk-over

**HDBaseT Tunneling** - Supports full HDBT tunneling of Ethernet and RS-232 data

**Front Panel Lockout**

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

**Flexible Control Options** - Front panel push buttons, RS-232, OSD (on-screen display) menu with front panel navigation buttons, Ethernet with built-in Web pages



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## TECHNICAL SPECIFICATIONS

INPUTS:	3 HDMI connectors (HDCP 2.2), 1 VGA on a 15-pin HD connector, 1 HDBT on an RJ-45 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 (HDCP 2.2); 1 HDBT on an RJ-45 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
HDMI Support	4K@60 (4:4:4) and xvYCC color (on input) as specified in HDMI 2.0
CONTROLS:	Front panel push buttons; RS-232; OSD (on-screen display) menu with front panel navigation buttons; Ethernet with built-in Web pages
POWER CONSUMPTION:	48V DC, 850mA
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 Dimensions	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 Dimensions	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



