



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



VP-440H2 is a high-performance 4K60 (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 output and an HDBaseT 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 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 & 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 (HDMI 2.0, 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 (HDMI 2.0, 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
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
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 non-condensing
INCLUDED ACCESSORIES:	Power supply
OPTIONS:	RK-1 rack adapter

