VP-445
12-Input Presentation Switcher/Scaler

| HDMI | Ethernet - RJ-45 | HDCP Compliant

The VP-445 is a high-performance presentation scaler/switcher for HDMI, computer graphics and composite video signals. The unit scales the video and gives you an option to embed HDMI or analog audio. Then it sends the signal to two HDMI outputs and S/PDIF and balanced stereo audio outputs simultaneously

FEATURES

Max. Resolutions - Up to UXGA/1080p

HDTV Compatibility

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

12 Video Inputs - 6 HDMI on HDMI connectors, 4 computer graphics video on 15-pin HD connectors and 2 composite video on RCA connectors

Two HDMI Scaled Outputs (Mirrored)

2 Microphone Inputs - For mixing, switching or talk-over

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

Audio Inputs - 12 unbalanced stereo inputs on terminal blocks, embedded audio for the HDMI inputs, each with individual level controls

Audio Outputs - 1 S/PDIF on an RCA connector, one balanced stereo audio on a terminal block and embedded audio on the HDMI outputs

Powerful Audio Features - Via DSP technology including audio equalization, mixing, delay and so on

Multiple Aspect Ratio Selections - Full, best fit, over scan, under scan, letter box and pan scan

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

Color Sampling Support - 4:4:4 (RGB and YUV) and 4:4:2 (YUV)

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

Front Panel Control - Audio mute and freeze frame

Front Panel Lockout

Non-Volatile Memory - Saves final settings

Various Control Options - Front panel buttons, RS-232, IR remote, OSD, Ethernet Web pages, Ethernet using UDP

Universal Power Supply - 100-240V AC

TECHNICAL SPECIFICATIONS

Inputs	6 HDMI: On female HDMI connectors (HDCP 1.4)
	4 VGA: On a 15-pin HD connector
	2 CV: On RCA connectors
	12 Unbalanced Stereo Audio: On 3-pin terminal block connectors
	2 Mic: On 6mm jack connectors (with selectable 48V phantom power)
Outputs	2 HDMI: On female HDMI connectors (HDCP 1.4)
	1 S/PDIF: On an RCA connector
	1 Balanced Stereo Audio: On a 5-pin terminal block connector
Video	Bandwidth: Up to 1080p, UXGA
	Switching Time Between Inputs: 2 to 3 seconds
	Latency: Less than 2 frames
	Input Color Depth: Up to 12-bit
	Output Resolutions: Native, 640x480 @60Hz, 800x600 @60Hz, 1024x768 @60Hz, 1280x768 @60Hz, 1360x768 @60Hz, 1280x720 @60Hz, 1280x800 @60Hz, 1280x1024 @60Hz, 1440x900 @60Hz, 1400x1050 @60Hz, 1680x1050 @60Hz, 1600x1200 @60Hz, 1920x1080 @60Hz, 1920x1200 @60Hz, 480p @60Hz, 720p @60Hz, 1080i @60Hz, 1080p @60Hz, 576p @50Hz, 720p @50Hz, 1080i @50Hz, 1080p @50Hz
Audio	Input Sampling Rate: 32KHz, 44.1KHz, 48KHz
	Output Sampling Rate: 48KHz
User Interface	Controls: Input selector, freeze, mute, reset resolution and lock buttons, RS-232, IR, web pages via Ethernet
Power	Source: 100-240V AC
	Consumption: 30VA max
Environmental Conditions	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
Accessories	Included: Power cord, rack ears, IR remote control
Product Dimensions	19" x 17.18 x 1U (43.6cm x 43.64cm x 4.36cm) W, D, H
Product Weight	1.8kg (4.0lbs) approx
Shipping Dimensions	0.00cm x 0.00cm x 0.00cm (0.00" x 0.00" x 0.00") W, D, H
Shipping Weight	0.0kg (0.0lbs) approx

HDMI

BluRay
Disk Player

Laptop

HDMI

HDMI

Laptop

HDMI

VGA

Computer
Graphics Source

CV

Composite
Video Player

HDMI

LCD
Display

Projector

HDMI

Audio

Mic. 2

Audio

Mic. 1

ETH