



VP-445

12Input Presentation Switcher/Scaler

| HDMI | Ethernet - RJ-45 | HDCP Compliant



The VP445 is a highperformance 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 highquality scaling technology. Highquality 3:2 and 2:2 pulldown deinterlacing and full up and downscaling of all video input signals

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

Two HDMI Scaled Outputs (Mirrored)

2 Microphone Inputs - For mixing, switching or talkover

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, RS232, IR remote, OSD, Ethernet Web pages, Ethernet using UDP

Universal Power Supply - 100240V AC



KRAMER

TECHNICAL SPECIFICATIONS

INPUTS:	6 HDMI connectors (HDMI, HDCP version 1.4), 4 VGA on a 15pin HD connector, 2 CV on RCA connectors, 12 unbalanced stereo audio on 3pin terminal block connectors, 2 mic on 6mm connectors (with selectable 48V phantom power)
OUTPUTS:	2 HDMI connectors (HDMI, HDCP version 1.4), 1 S/PDIF on an RCA connector, balanced stereo audio on a 5pin terminal block connector
BANDWIDTH:	Up to 1080p, UXGA
SWITCHING TIME BETWEEN INPUTS:	2 to 3 seconds
VIDEO LATENCY:	Less than 2 frames
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
CONTROLS:	HDMI 1 to HDMI 6, PC 1 to PC 4 and CV 1 to CV 2 input selector buttons; freeze, mute buttons; menu and navigation buttons, Reset to XGA/1080p and lock buttons, RS232, IR, Ethernet (OSD and Web pages)
POWER CONSUMPTION:	100240V AC, 30VA max
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	40° to +70°C (40° to 158°F)
PRODUCT DIMENSION:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	1.8kg (4.0lbs) approx
SHIPING DIMENSION:	12.60cm x 8.40cm x 4.10cm (4.96" x 3.31" x 1.61") W, D, H
SHIPING WEIGHT:	2.5kg (5.5lbs) approx
HUMIDITY:	10% to 90%, RHL noncondensing
INCLUDED ACCESSORIES:	Power cord, rack "ears", IR remote control

