



kramer

VP-439

HDMI, PC and CV to HDMI Classroom
Switcher / Scaler

| HDMI | Ethernet - RJ-45



The VP-439 is a high-performance digital scaler for computer graphics video, composite and HDMI signals, including audio. It up/down scales the selected HDMI, CV or computer graphics video/YPbPr input and outputs it to HDMI on a DVI-I connector

FEATURES

Maximum Resolution - Up to 1080p/WUXGA

HDTV Compatible

HDCP Compliant

Auto Switching - Searches for a valid signal when the input signal is lost

Automatic Input Audio Detection and Selection - Selects embedded audio for HDMI inputs, or analog audio when DVI is detected

Auto-Power Down - If no input signal is detected for 2 to 3 minutes, output is shut down

Analog Audio Inputs - For CV, PC and HDMI

Lip Sync Delay

On-Screen Display (OSD) - For easy setup and adjustment, accessible via the front-panel buttons

Flexible Control Options - Front panel buttons, OSD (on-screen display), Web page, Ethernet, RS-232

Built-in ProcAmp - For convenient adjustment of video parameters, such as brightness, contrast, color, sharpness and hue

Non-Volatile Memory - Saves final settings



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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI with unbalanced stereo on a 3.5mm mini jack, 1 PC/HD (RGBHV/YPbPr) on a 15-pin HD connector with unbalanced stereo on a 3.5mm mini jack, 1 composite video on an RCA connector with unbalanced stereo on 2 RCA connectors
OUTPUTS:	1 HDMI on a DVI-I connector with unbalanced stereo on 2 RCA connectors
PORTS:	1 Ethernet on an RJ-45 connector, 1 RS-232 on a 9-pin D-sub connector
OUTPUT COLORSPACE:	RGB/YPbPr
OUTPUT RESOLUTIONS:	1080i, 1080p, 576i, 576p, 720p, 1080i, 1080p, WXGA, WSXGA, WUXGA, 1280x800, WXGA+, SXGA+, NATIVE, VGA, SVGA, XGA, SXGA, UXGA, 480i, 480p, 1600x900
OUTPUT REFRESH RATE:	60Hz for computer graphics resolutions, 50/60Hz for HDTV resolutions
PROCESSING DELAY:	30ms approx
CONTROLS:	Front panel buttons, menu-driven OSD control, Web page
POWER CONSUMPTION:	5V DC, 1.1A
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	1.0kg (2.2lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
Shipping Weight	1.6kg (3.5lbs) approx



