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
### 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