The VP-790 is a high-quality presentation scaler/switcher for RGB component, computer graphics, composite, s-Video, HDMI, DVI and 3G HD-SDI signals. The unit takes one of the inputs, scales the video, embeds the audio and outputs the signal to the computer graphics, DVI/HDMI and 3G HD-SDI outputs simultaneously.

**FEATURES**

**HQV® Video Processing** - HQV (Hollywood Quality Video) processing represents the state-of-the-art in video processing technology, with the highest quality de-interlacing (with 3:2 & 2:2 pull down), noise reduction, and scaling performance for both standard-definition and high-definition signals

**Max. Data Rate** - 3Gbps (3G HD-SDI)

**HDTV Compatible**

**HDCP Compliant** - The HDCP (High Definition Content Protection) license agreement allows copy-protected data on the HDMI input to pass only to the HDMI output

**Multi-Standard Operation** - SDI (SMPTE 259M and SMPTE 344M), HD-SDI (SMPTE 292M) and 3G HD-SDI (SMPTE 424M)

**Video Warping** - Uses user-generated screen coordinates to match any linear or non-linear surface

**Edge Blending** - Facilitates building large images using multiple projectors by feathering the overlapped edges

**Video Inputs** - 1 HDMI, 1 computer graphics video (15-pin HD), 2 composite video (BNC & RCA), 1 s-Video (4-pin), component video (RGBS), 1 DVI and 1 3G HD-SDI

**Genlock Input** - Ideal for use in broadcast video applications

**Scaled Outputs** - DVI/HDMI, 3G HD-SDI & computer graphics video (15-pin HD)

**Scales and Zooms** - Up to 400% of the original size

**Gaming Mode Option** - For minimum latency

**Audio Output** - S/PDIF de-embedded from HDMI or SDI

**Multiple Aspect Ratio Selections** - Full, overscan, underscan, letterbox & panscan

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

**Front Panel Controls** - OSD, front panel buttons including test pattern, PIP and Reset to XGA/720p

**Non-Volatile Memory** - Saves final settings

**Front Panel Lockout**

**Flexible Control Options** - Front panel with OSD (on-screen display), IR remote, Ethernet and RS-232

**Worldwide Power Supply** - 100–240V AC

**Standard 19" Rack Mount Size** - 1U. Rack "ears" included
## TECHNICAL SPECIFICATIONS

### INPUTS:
- 1 SD/HD/3G HD-SDI on a BNC connector,
- 1 HDMI connector (HDCP version 1.1),
- 1 VGA on a 15-pin HD connector,
- 1 composite video on an RCA connector,
- 1 composite video on a BNC connector,
- 1 component video/RGBS on 3/4 RCA connectors,
- 1 DVI on a DVD-I connector,
- 1 s-Video on a 4-pin connector

### OUTPUTS:
- 1 SD/HD/3G HD-SDI on a BNC connector,
- 1 DVI/HDMI on a DVI-D connector (HDCP version 1.1),
- 1 VGA on a 15-pin HD connector,
- 1 S/PDIF on an RCA connector

### OUTPUT RESOLUTIONS:
- 640x480, 800x600, 1024x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1400x1050, 1440x900, 1600x1200, 1680x1050, 1920x1200, 480i, 480p, 576p, 720p, 1080i, 1080p

### CONTROLS:
- Input selector buttons: reset to XGA/720p, panel lock. Menu functions: menu, enter, menu arrows. RS-232, Ethernet, IR

### OPERATING TEMPERATURE:
- 0° to +40°C (32° to 104°F)

### STORAGE TEMPERATURE:
- -25° to +85°C (~−13° to 185°F)

### HUMIDITY:
- 5% to 95%, RHL non-condensing

### POWER SOURCE:
- 100–240V AC, 50–60Hz; 35VA (500mA maximum)

### INCLUDED ACCESSORIES:
- Power cord, rack "ears", IR remote control transmitter

### Product Dimensions
- 19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H

### Product Weight
- 1.8kg (4.0lbs) approx

### Shipping Dimensions
- 55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H

### Shipping Weight
- 2.9kg (6.3lbs) approx