KRAMER

VP-790
8−Input ProScale™ Genlock Presentation Scaler/Switcher

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, 1280x768, 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 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.