



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.



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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).
DIMENSIONS:	19" x 7" x 1U (W, D, H) rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
INCLUDED ACCESSORIES:	Power cord, rack "ears", IR remote control transmitter.

