VP-790

8-Input ProScale™ Genlock Presentation Scaler/Switcher

| VGA/UXGA - 15-pin HD | HDMI | 3G HD-SDI - BNC | Ethernet - RJ-45 | HDCP Compliant

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 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

SDI

Digital
Camera

Y/C

DVD Player
(s-Video)

CV

DVD Player 1
(Composite)

HDMI

DVD Player
(HDMI)

VGA

Computer
Graphics Source

DVI

DVI Source

VGA

Display

YUV

DVD Player
(Component)

SDI

Projector

DVI

LCD Display

RS-232