



VP-791

3G HD-SDI to DVI/HDMI Digital HQV Scaler
with Color Correction & Geometric
Processing

| 3G HD-SDI - BNC



The VP-791 is a high-performance digital scaler for 3G HD-SDI signals. It up- or down-scales the incoming signal, processes the image with HQV and flexible geometry correction and outputs the signal to a DVI/HDMI connector

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), 4D motion adaptive SD noise reduction, and outstanding scaling performance for both standard-definition and high-definition signals

HDTV Compatible

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

Supported Input Resolutions - HD: 720p23.97/24/25/30/50/59.94/60, 1080i50/59.94/60, 1080psf, 1080p23.97/24/25/30, 1080p30/50/59.94/60; SD: 625i (576i), 525i (480i)

HDMI Output Support - Deep color up to 12 bit

Powerful Geometry Correction - For off-axis projection, pin/barrel and image rotation

Portrait Mode Image Extraction - Rotation and zoom from landscape input

Selectable Processing Versus Latency - Best Picture and low latency modes; Best Picture latency as low as 0.25-frame progressive inputs, 1.25-fields interlaced inputs

Selectable I/O Lock Mode - Or frame rate conversion mode

Flexible Colour Calibration Controls - RGB Gains, RGB Cut-Offs/Black Levels, Saturation, Hue, Brightness, Contrast controls, Gamma selection

Active 3G HD-SDI Cable Equalization

Built-in Test Pattern Generator

Non-Volatile Memory - Auto-saves and recalls settings

USB Port - For upgrading firmware

Programmable Customer Logo on Menu

Flexible Control Options - Built-in Web server RS-232, TCP/IP API, keypad for direct input selection and OSD menu access



KRAMER

TECHNICAL SPECIFICATIONS

INPUT:	1 SD/HD/3G HD-SDI for 4:2:2 signals up to 1080p on a BNC connector
OUTPUT:	1 DVI/HDMI on a DVI connector
OUTPUT RESOLUTIONS:	Common VESA formats from 640x480 to 1920x1200, and HD formats at 720p, 1080p
LATENCY:	As low as 0.25-frame progressive inputs, 1.25-field interlaced inputs
SIGNAL PROCESSING:	10-bit signal inputs, 12-bit accurate internal processing; 4-field full resolution SD & HD processing
DE-INTERLACING:	Motion adaptive per pixel video de-interlacing, multi-directional diagonal de-interlace filter
POWER SOURCE:	12V DC, 1.5A approx
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:	12V DC power supply, DVI-D cable, user manual/CD
OPTIONS:	RK-T2B 19" rack mount

