



VP-793

Multi-Format to DVI/HDMI Digital Scaler with Professional Warping and Blending



The VP-793 is a high-performance scaler for HDMI, DVI and computer graphics signals developed specifically for driving large screen displays and multiple screen applications from video or graphics sources. It up- or down-scales the incoming signal, processes the image with HQV, professional grade edge blending, flexible warping & geometry correction and outputs the signal to a DVI/HDMI connector.

FEATURES

- **Full Warp Mapping** - Easy warp map creation for stacked projector alignment and curved screen multi-projector tiling via an included PC application.
- **Powerful Geometry Correction** - For off-axis projection, pin/barrel and image rotation, pan, tilt and zoom.
- **Edge Blending** - 4-sided professional grade edge blend with 48-bit processing, degamma & multi-region black level correction.
- **Multi-Format Operation** - HDMI, DVI, computer graphics and component inputs for signals up to 1080p & WUXGA.
- **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.**
- **HDCP Compliant.**
- **Supported Resolutions** - HD 720p, 1080i, 1080psf, 1080p23.97/24/25/30, 1080p30, 1080p50, 1080p59.94, 1080p60; ED 480p, 576p; SD 625i (576i), 525i (480i); common VESA graphics formats from 640x480 to 1920x1200 (with reduced blanking for 1920x1200 and 1600x1200 modes).
- **HDMI Support** - Deep color up to 12 bit.
- **Superior De-interlacing** - Motion adaptive per pixel video de-interlacing with multi-directional diagonal de-interlace filter reduces HD & SD image flicker and artifacts.
- **Selectable Processing Versus Latency** - Best picture and low latency modes; latency as low as 0.25-frame progressive inputs, 1.25-field interlaced inputs.
- **Selectable I/O Lock Mode** - Or free run selectable output modes.
- **Selectable Aspect Ratio Conversion** - Or incoming aspect ratio preserve mode.
- **Flexible Color Calibration Controls** - RGB Gains, RGB Cut-Offs/Black Levels, Saturation, Hue, Brightness, Contrast controls, Gamma selection.
- **Audio De-embedding** - From HDMI to S/PDIF compatible formats.
- **Built-in Test Pattern Generator.**
- **Non-Volatile Memory** - Auto-saves and recalls settings.
- **USB Port** - For upgrading firmware.

- Flexible Control Options - RS-232, TCP/IP API and Web Server, keypad for direct input selection, PC-based Warp Map Generator tool and OSD menu access.
- Worldwide Power Supply - 100–240V AC.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI, 1 DVI, 1 computer graphics on a 15-pin HD connector.
OUTPUT:	1 DVI/HDMI on a DVI connector, 1 S/PDIF on an RCA 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.
WARP APPS:	Full warp mapping, 4-corner, rotate, pin/barrel, portrait, keystone.
EDGE BLENDING:	48-bit per pixel, 4:4:4 16-bit per color edge blend with de-gamma processing and multi-region black level correction.
POWER SOURCE:	100–264V AC, 35W typical.
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.
DIMENSIONS:	19" x 7.2" x 1U W, D, H, rack mountable.
WEIGHT:	2,5kg (5.5lbs).
INCLUDED ACCESSORIES:	DVI-D cable, user manual/CD, power cord.