VP-793

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

| VGA/UXGA - 15-pin HD | HDMI | Ethernet - RJ-45 | HDCP Compliant

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 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-Voltatile 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

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
INCLUDED ACCESSORIES:	DVI-D cable, user manual/CD, power cord
Product Dimensions	19" x 7.24 x 1U (43.6cm x 18.40cm x 8.80cm) W, D, H
Product Weight	1.8kg (4.1lbs) approx
Shipping Dimensions	0.00cm x 0.00cm x 0.00cm (0.00" x 0.00" x 0.00") W, D, H
Shipping Weight	2.5kg (5.5lbs) approx

HDMI

DVD Player
(HDMI)

VGA

DVI

DVI

Eth.

Computer
Graphics Source

DVI Source

Projector