



VP-792

Multi-Format to DVI/HDMI Digital HQV
Scaler with Warp Mapping, HQV & Geometric
Processing & Edge Blending

| Ethernet - RJ-45 | HDCP Compliant



The VP-792 is a high-performance scaler for HDMI, DVI, analog VGA and component signals. It up- or down-scales the incoming signal, processes the image with HQV, flexible warping, geometry correction and edge blending and outputs the signal to a DVI/HDMI connector

FEATURES

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

Full Warp Mapping - Easy warp map creation for stacked projector alignment and curved screen multi-projector tiling via an included PC application

Edge Blending - 4-sided soft edge blend for seamless blending of multiple projectors; basic edge blending for general purpose applications

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 (psf digital only), 1080p23.97/24/25/30, 1080p30, 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 frame rate conversion mode

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

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 - RS-232, TCP/IP API and Web Server, keypad for direct input selection, PC-based Warp Map Generator tool and OSD menu access



TECHNICAL SPECIFICATIONS

INPUTS:	1 component video YPbPr(S) or RGBS/RGsB on 3 or 4 BNC connectors, 1 DVI/HDMI on a DVI-I connector, 1 VGA (common with the DVI/HDMI input) on a DVI-I 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
WARP APPS:	Full Warp Mapping, 4-Corner, Rotate, Pin/Barrel, Portrait, Keystone
EDGE BLENDING:	10-bit alpha blend
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
Product Dimensions	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") 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



