VP-793

HQV™ Scaler with Warp Mapping, Edge Blending & HDMI/DVI In/Out

- **BEST IN CLASS PROFESSIONAL IMAGE PROCESSING IN A COMPACT AFFORDABLE 1U FORMAT**
- **IMPROVE VIDEO IMAGE QUALITY WITH BETTER DETAIL AND CLARITY**
- **POWERFUL GEOMETRY CORRECTION FOR OFF-AXIS PROJECTION, PIN/BARREL, IMAGE ROTATION CONTROLS**
- **4-SIDED SOFT EDGE BLEND FOR TILING MULTIPLE PROJECTORS TO PRODUCE LARGE IMAGES**
- **FLEXIBLE WARP MAPPING FOR CURVED SCREEN PROJECTION, SIMULATION AND 3D ALIGNMENT**

VP-793

The VP-793 is a flexible scaler for professional, broadcast and corporative AV users, with warp and blend capabilities. It features 4-sided soft edge blend with multi-region black level correction for seamless blending of multiple projectors, and also includes flexible geometry correction functions able to correct image shape and projector misalignment by dragging and dropping each image corner, by pin/barrel rotation, or by keystone and rotation correction.

Full warp mapping is also supported by the VP-793. A PC application is included for easy warp map creation. Third-party generated warp maps can also be processed from automatic image alignment systems making the VP-793 ideal for stacked projector alignment and curved screen multi-projector tiling.

The VP-793 has digital I/O compatible with DVI and HDMI including deep color support.

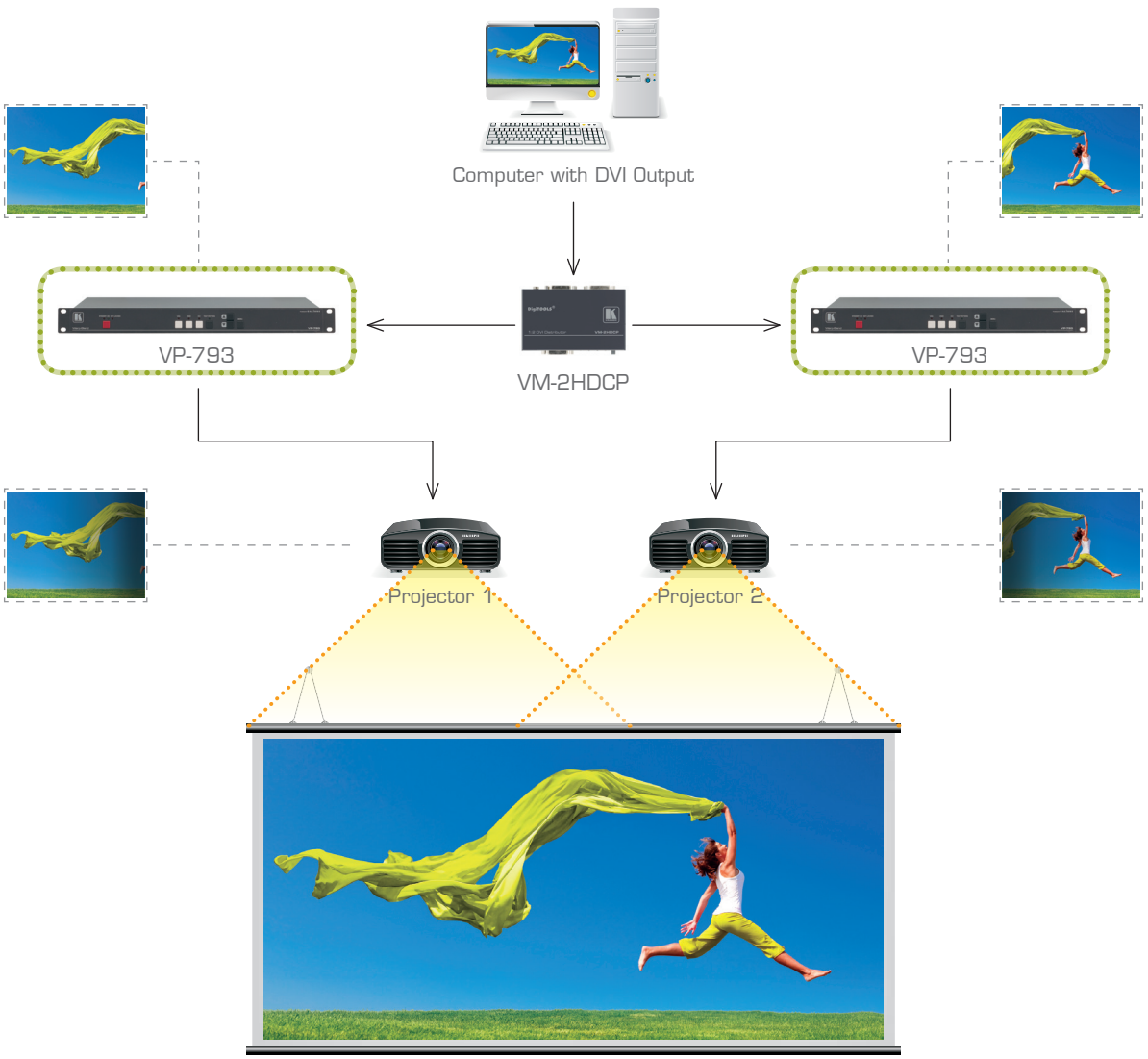
- HDMI, DVI & VGA inputs with signal compatibility up to 1080p & WUXGA
- HDMI/DVI multifunction output
- Motion adaptive per pixel video de-interlacing, HD & SD
- Multi-directional diagonal de-interlace filter
- Automatic 3:2 & 2:2 pull-down detection with automatic film, video and video over film detection
- Chroma and Luma transient improvement
- Edge anti-aliasing
- 4-field full resolution SD & HD processing
- 4D Motion, Noise Adaptive HQV noise reduction for spatial and temporal noise
- Codec noise reduction for mosquito and block compression noise
- Direct input selection keys allow input selection without using menu system
- Flexible color calibration controls
- Gamma controls
- Selectable processing versus latency: best picture and low latency modes
- Latency as low as 0.25-frame progressive inputs, 1.25-frames interlaced inputs
- I/O Lock and Free Run selectable output modes
- USB port for in-field firmware updates
- Programmable customer logo on menu
- TCP/IP remote control and Web Server
- Easy to navigate self-explanatory OSD menus
- Powerful geometry correction capabilities
- Pan, Zoom, Tilt
- Image rotation, pin/barrel correction
- 4-Sided edge blend with 48-bit processing & multi-region black level correction
- Flexible warp mapping

Technical Specification

INPUTS	1x HDMI with HDCP support, 8/12 bit deep colour compatible. Audio de-embed from HDMI of SPDIF compatible formats 1x DVI with HDCP support 1x VGA Analog via 15HDD
SUPPORTED VIDEO FORMATS	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)
OUTPUTS	1x DVI/HDMI with HDCP (HDMI with deep color 8/10/12 bit support, via DVI connector) 1x S/PDIF digital audio via RCA
SUPPORTED OUTPUT FORMATS	DVI/VGA common VESA formats 640x480 to 1920x1200, 720p, 1080p Selectable I/O lock or frame rate conversion mode Selectable aspect ratio conversion
USER CONTROLS	Remote control via RS-232, TCP/IP & Webserver Control PC-based Warp Map Generator tool Keypad for direct input selection and control of common adjustments as well as OSD menu access USB port for uploading software updates and new features
POWER REQUIREMENTS	100-264V AC, 35W typical
WARRANTY	3-years return to base warranty covers parts and labor

MODEL	VP-791	VP-792	VP-793	VP-794
FRONT LCD MENU OR OSD CONTROL	**OSD**	**OSD**	**OSD**	**LCD**
DVI/HDMI INPUTS		●	●	●
COMPONENT INPUT		●		●
COMPOSITE/S-VIDEO INPUTS				●
VGA ANALOG INPUT		●		●
3G HD-SDI INPUT	●			●
DVI/HDMI OUTPUT	●	●	●	●
VGA ANALOG OUTPUT				●
3G HD-SDI OUTPUT				●
3G HD-SDI AUDIO EMBED/DE-EMBED				●
HQV PROCESSING	●	●	●	●
PIP/POP/PAP				●
PIP WITH PIXEL-ACCURATE SIZE & POSITION CONTROL				●
TCP/IP CONTROL	●	●	●	●
LOW LATENCY MODE	●	●	●	●
FLICKER FILTER FOR INTERLACED OUTPUT MODES				●
GEOMETRY CORRECTION, 4-CORNER, ROTATE, PORTRAIT MODE	●	●	●	●
GENLOCK (V-LOCK)				●
PAN, ZOOM, TILT	●	●	●	●
EDGE BLENDING		●	●	●
EDGE BLEND BLACK LEVEL CORRECTION			●	●
AUTO PAN/ZOOM/TILT OF CONTENT FOR BLENDING		●	●	●
WARP MAPPING FOR CURVED PROJECTION SCREENS & BLEND ALIGNMENT		●	●	●
LED SCREEN SIZING BY EDGE DRAG-DROP				●
LED SCREEN BLACK CRUSH CONTROL WITH LEVEL ADJUSTMENT				●

Diagram



GROUP BLEND

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