

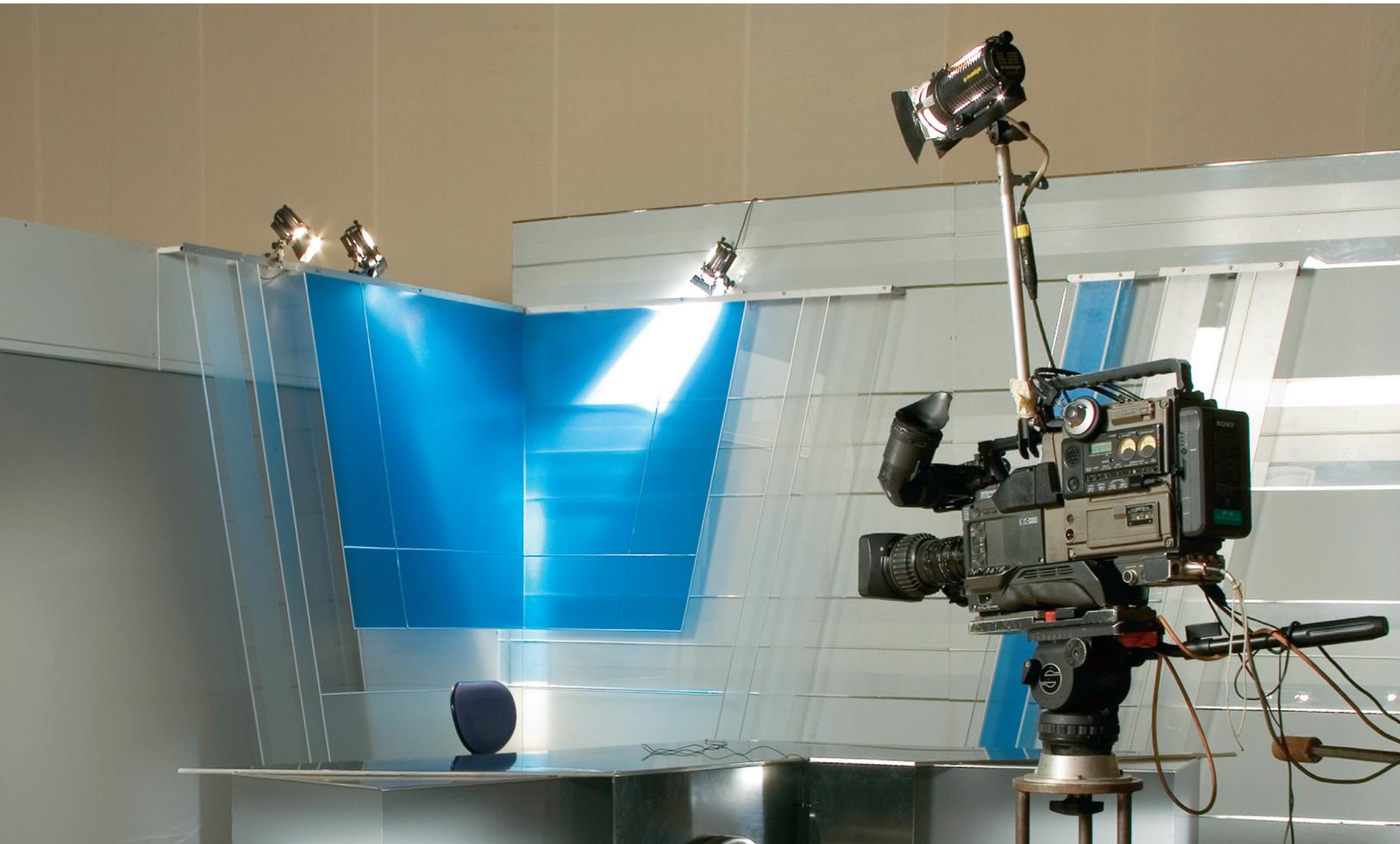


VP-791

HQV™ 3G-SDI to DVI/HDMI Scaler with Powerful Geometry Correction



- **BEST IN CLASS PROFESSIONAL IMAGE PROCESSING IN A COMPACT AFFORDABLE MODULE**
- **CONNECT 3G HD-SDI TO DVI OR HDMI SWITCHING AND DISTRIBUTION SYSTEMS**
- **SD/HD/3G HD-SDI COMPATIBLE**
- **INTERFACE 3G HD-SDI VIDEO VIDEO TO PROJECTORS WITHOUT SDI INPUT**
- **IMPROVE VIDEO IMAGE QUALITY WITH BETTER DETAIL AND CLARITY**
- **SUPERIOR DE-INTERLACING REDUCES IMAGE FLICKER AND ARTIFACTS**
- **REMOVE PICTURE NOISE FROM POOR QUALITY VIDEO SOURCES**
- **POWERFUL GEOMETRY CORRECTION FOR OFF-AXIS PROJECTION, PIN/BARREL AND IMAGE ROTATION**
- **PORTRAIT MODE IMAGE EXTRACTION & ROTATION FROM LANDSCAPE INPUT**



VP-791

The VP-791 is a compact yet high performance dedicated 3G-SDI to HDMI/DVI image scaler which provides stunning image quality for professional, broadcast and corporate AV users.

The VP-791 includes flexible geometry correction controls to allow for the correction of misshapen images and projector misalignment. These corrections can be made by dragging and dropping each image corner, by pin/barrel/rotation correction, or by keystone and rotation correction. The VP-791 also has a built-in portrait mode, which provides for the creation of a portrait format image from a landscape input that it automatically rotates by 90 or 270 degrees.



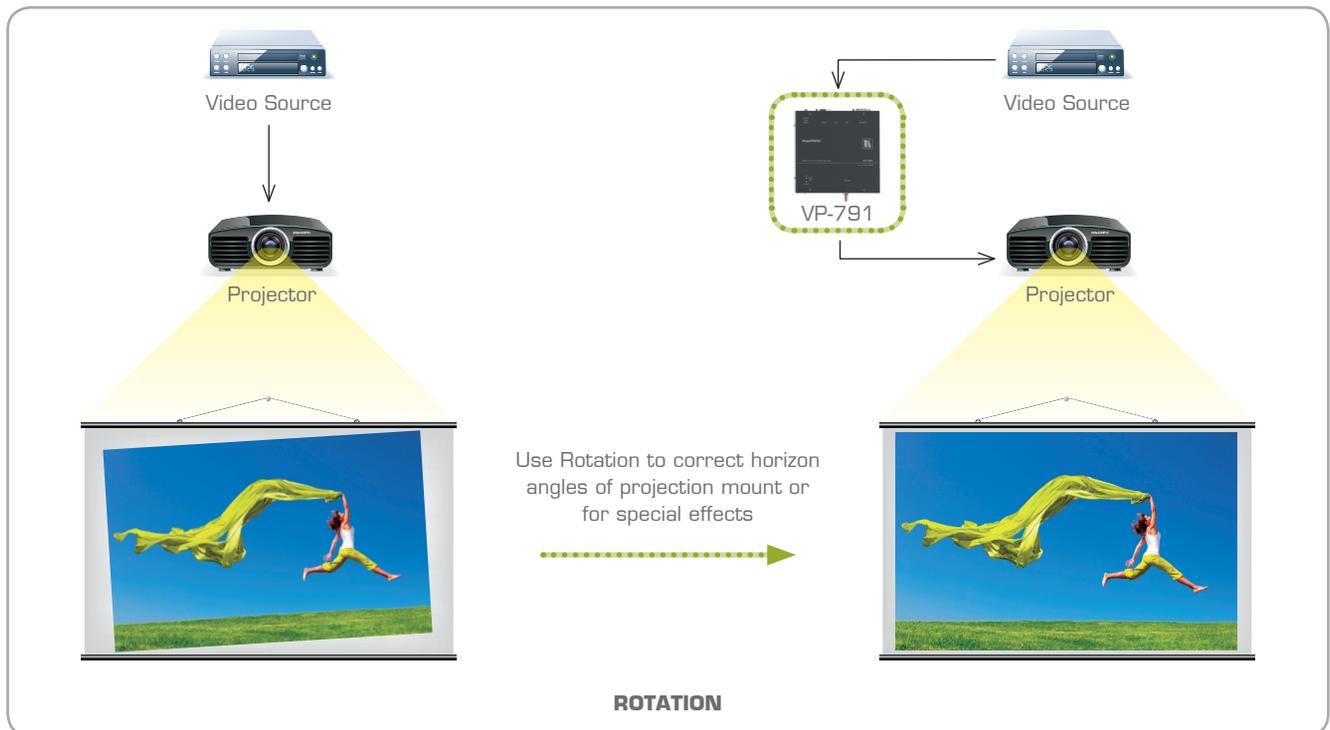
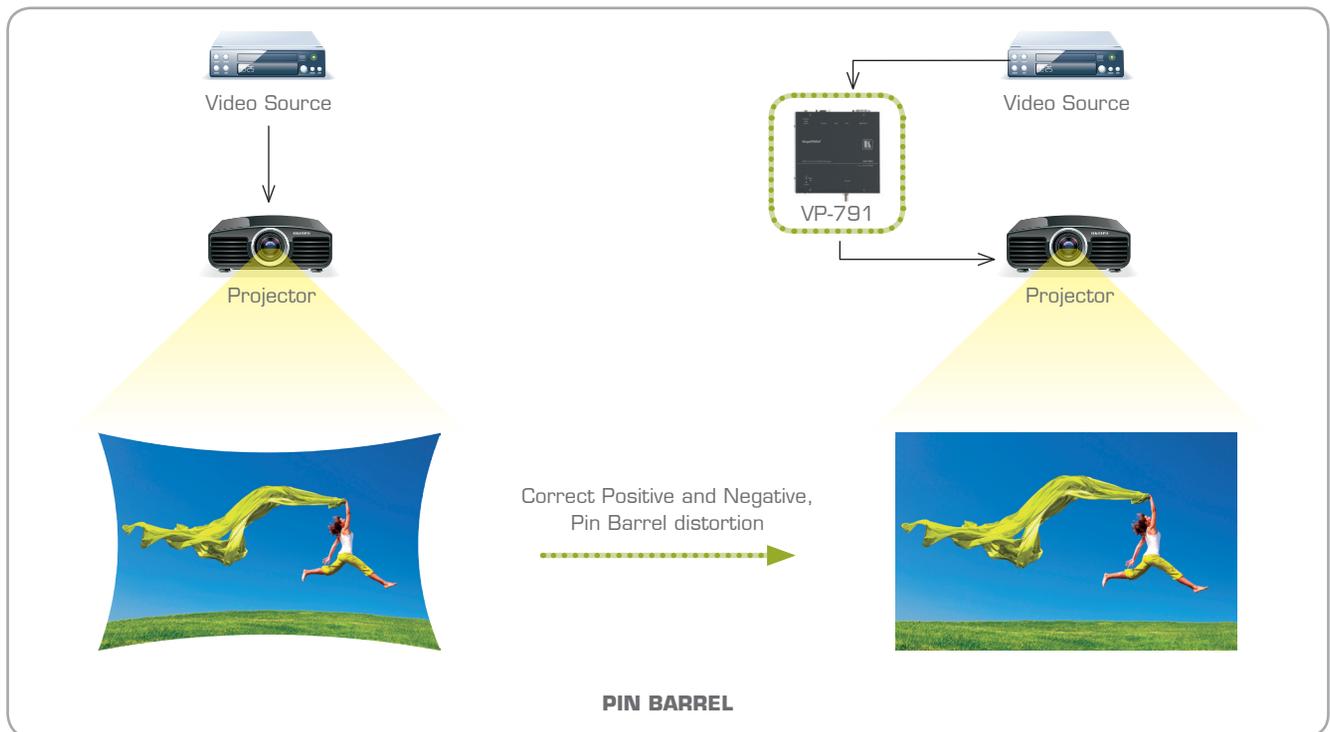
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- 3G HD-SDI input for 4:2:2 signals up to 1080p
 - HDMI/DVI output up to 1080p/WUXGA
 - Flexible color calibration controls
 - Gamma controls
 - 10-bit signal inputs, 12-bit accurate internal processing
 - Selectable processing versus latency: best picture and low latency modes
 - Latency as low as 0.25-frame progressive inputs, 1.25-frames interlaced inputs
 - 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
 - Motion adaptive per pixel video de-interlacing
 - 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
 - Powerful geometry correction capabilities
 - Image rotation, pin/barrel correction

Technical Specification

INPUTS	1 x 3G HD-SDI with active cable EQ, accepts SD/HD/3G HD-SDI 4:2:2 format signals via BNC
SUPPORTED VIDEO FORMATS	HD 720p, 1080i, 1080psf, 1080p23.97/24/25/30, 1080p30, 1080p50, 1080p59.94, 1080p60 SD 625i (576i), 525i (480i)
OUTPUTS	1x DVI/HDMI (HDMI with Deep Color 8/10/12 bit support, via DVI connector)
SUPPORTED OUTPUT FORMATS	Common VESA formats from 640x480 to 1920x1200, and HD formats at 720p, 1080p Selectable I/O lock mode, or frame rate conversion mode Selectable aspect ratio conversion, or incoming aspect ratio preserve mode
USER CONTROLS	Remote control via RS-232, TCP/IP & Webserver Control Keypad for direct input selection and OSD menu access USB port for uploading software updates and new features
POWER REQUIREMENTS	12V DC @approx 1.5A, external 100-264V AC PSU included
WARRANTY	3-years return to base warranty covers parts and labor, shipping excluded

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



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