

## SCALER WITH WARP MAPPING AND EDGE BLEND



- ✓ Best in class professional image processing powered by Calibre
- ✓ Presets optimized for select Optoma projector models simplify and reduce setup time
- ✓ Powerful geometry correction for off-axis projection, pin/barrel and image rotation
- ✓ Use as a routing switcher and universal interface for 3G-SDI, HD-SDI, DVI or HDMI switching and distribution systems, projectors and displays
- ✓ 4-sided soft edge blend for tiling multiple projectors to produce large images

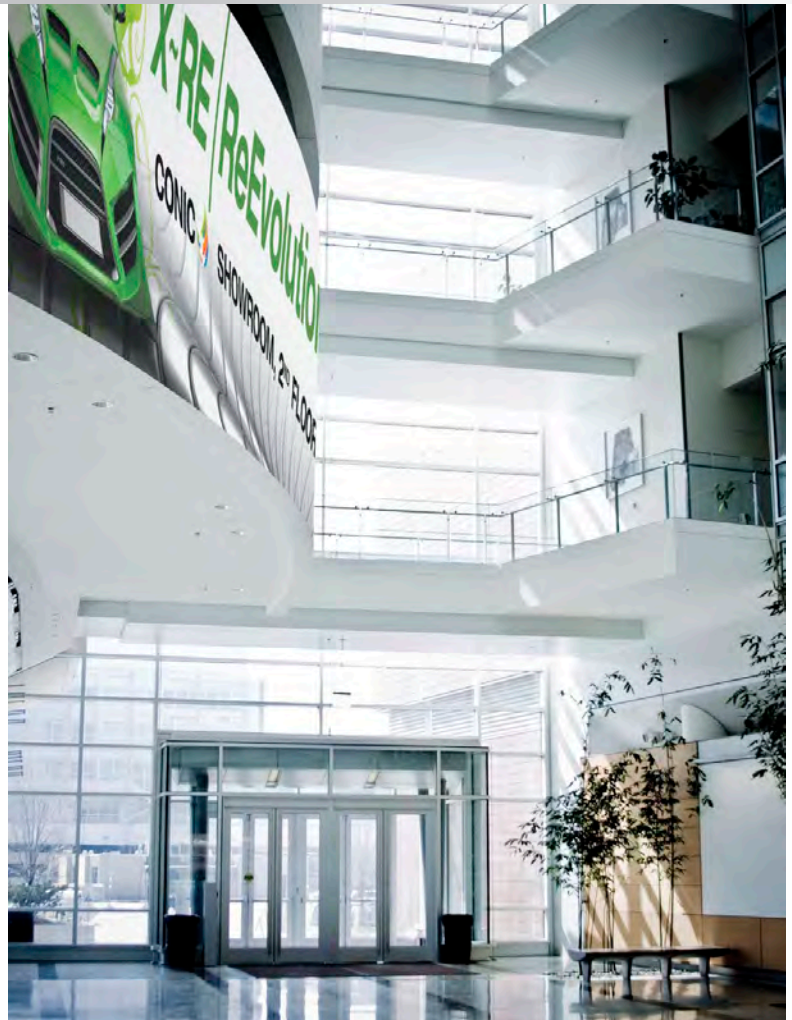
The Optoma HQView520 is a universal image scaler and scan converter that provides stunning image quality for professional, broadcast and corporate AV users.

The Optoma HQView520 features 4-sided soft edge blend with multi-region black level correction for seamless blending of multiple projectors and includes flexible geometry correction functions able to correct image shape and projector misalignment by dragging and dropping each image corner, also corrects pin/barrel, rotation or keystone and rotation.

Full warp mapping is also supported by the HQView520. A PC application is included for easy warp map creation. Third-party generated warp maps can also be processed from automatic image alignment systems. The HQView520 has 3G-SDI input and output connectivity with backwards compatibility with HD-SDI and SD-SDI. For in-camera use a Genlock input is provided for compatibility with bi or tri-level sync or black & burst.

Includes Presets optimized for select Optoma projector models to simplify and reduce setup time.

Optoma offers dedicated ProScene tech support ready to assist.



**TECHNICAL SPECIFICATIONS**

**Inputs**  
 2x Composite Video CVBS (NTSC, PAL & SECAM); 1x via BNC jack and 1x via Cinch/RCA  
 1x YC/S-Video via 4 pin mini DIN  
 1x Component analog video YPbPr(S) or RGsB/RGBS via 3 or 4 x BNC jack  
 1x HDMI with HDCP, 8/10/12 bit video compatible, 10-bit internal processing depth. Audio strip-off of SPDIF compatible formats  
 1x DVI with HDCP 1x VGA Analog via 15HDD  
 1x 3G-SDI, accepts 3G, HD and SD SDI signals via BNC supports 4:2:2 and 4:4:4 formats with audio de-embed  
 1x Genlock (V-Lock) input via BNC, accepts bi-level, tri-level sync or black & burst, 50/59.94/60Hz formats

**Video Input Compatibility**  
 HD 720p, 1080i, 1080psf (psf digital only), 1080p23.97/24/25/30, 1080p30, 1080p50, 1080p59.94, 1080p60; ED 480p, 576p (not via SDI); SD 625i (576i), 525i (480i)  
 Common VESA graphics formats from 640x480 to 1920x1200 (with reduced blanking for 1920x1200 and 1600x1200 modes)  
 Multi standard support for CVBS & YC in PAL, NTSC, SECAM formats with selectable 3D comb for composite. Note: PIP and edge blend are mutually exclusive so cannot be used simultaneously

**Outputs**  
 1x 3G-SDI; 1x DVI/HDMI with HDCP (HDMI with deep color 8/10/12 bit support, via DVI connector); 1x VGA Analog via 15HDD;  
 1x S/PDIF digital audio via RCA  
 NB: 3G-SDI and VGA Analog outputs are disabled with HDCP-encrypted input. Not all outputs are available simultaneously

**Supported Output formats**  
 DVI/VGA common VESA formats 640x480 to 1920x1200, 720p, 1080p  
 3G-SDI in SMPTE formats 480i, 576i, 720p, 1080i, 1080p with selectable audio embed  
 Selectable Genlock (V-Lock), I/O lock or frame rate conversion mode; Selectable aspect ratio conversion; Selectable vertical temporal filter for flicker reduction of interlaced outputs (edge blend not available in this mode)

**User Controls**  
 Remote control via RS232C, TCP/IP API and Web Server. 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.

**KEY FEATURES**

- 3G-SDI, HDMI, DVI, VGA Analog, component YPbPr, RGsB/RGBS, composite & S-Video inputs with signal compatibility up to 1080p & WUXGA
- 3G-SDI, HDMI/DVI & VGA Analog outputs
- 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 & block compression noise
- Direct input selection keys allow input selection without using menu system
- 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
- I/O Lock, Genlock/Frame Sync and Free Run selectable output modes
- Flicker filter for interlaced 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

**Power Consumption** 100-264VAC, 35W typical  
**Warranty** 3-Year return to base warranty covers parts and labor



[www.OptomaUSA.com](http://www.OptomaUSA.com)