

UNIVERSAL HQV™ SCALER–SWITCHER-SCAN CONVERTER WITH WARP MAPPING, EDGE BLEND & 3G-SDI IN/OUT AND LCD DISPLAY FOR FAST EASY SET-UP IN THE FIELD



- ✓ Best in class professional image processing powered by Calibre
- ✓ Powerful geometry correction for off-axis projection, pin/barrel, image rotation
- ✓ Front panel jog-wheel and LCD display for fast easy setup in the field
- ✓ Digital and Analog video support including 3G-SDI, DVI, HDMI, VGA & Video
- ✓ Presets optimized for select Optoma projector models simplify and reduce setup time
- ✓ 4-Sided soft edge blend for tiling multiple projectors to produce large images

The Optoma HQView530 is a universal image scaler and scan converter that provides stunning image quality for professional, broadcast and corporate AV users.

The Optoma HQView530 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 HQView530. 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 HQView530 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.

Its front panel jog-wheel and LCD display makes for fast and easy setup in the field. It includes presets optimized for select Optoma projector models to simplify and reduce setup time.

Optoma offers dedicated ProScene tech support ready to assist.



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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	Front panel jog-wheel and LCD menu display for fast set-up. Keypad for direct input selection. Remote control via RS232, TCP/IP API and Web Server. PC-based Warp Map Generator tool. USB port for uploading software updates and new features
Power Consumption	100-264VAC, 35W typical
Warranty	3-Year return to base warranty covers parts and labor

KEY FEATURES

- Best in class professional image processing in a compact affordable 1U format
- Front panel jog-wheel and LCD display for fast easy set-up in the field
- Digital and Analog video support including 3G-SDI, DVI, HDMI, VGA & Video
- Improve video image quality with powerful detail and sharpness filters
- Superior de-interlacing & noise reduction reduces image flicker and artefacts
- Color correction of all source types including RGB controls, Saturation & Hue
- Powerful geometry correction for off-axis projection, pin/barrel, image rotation
- 4-Sided soft edge blend for tiling multiple projectors to produce large images
- Flexible warp mapping for curved screen projection, simulation and 3D alignment
- Genlock and I/O Lock for in-camera and edge blend us



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