

HQView530

Universal HQV™ Scaler–Switcher–Scan Converter with Warp Mapping, Edge Blend, Color Correction & 3G-SDI



HQView530 a universal image scaler and scan converter which provides stunning image quality for professional, broadcast and corporate AV users.

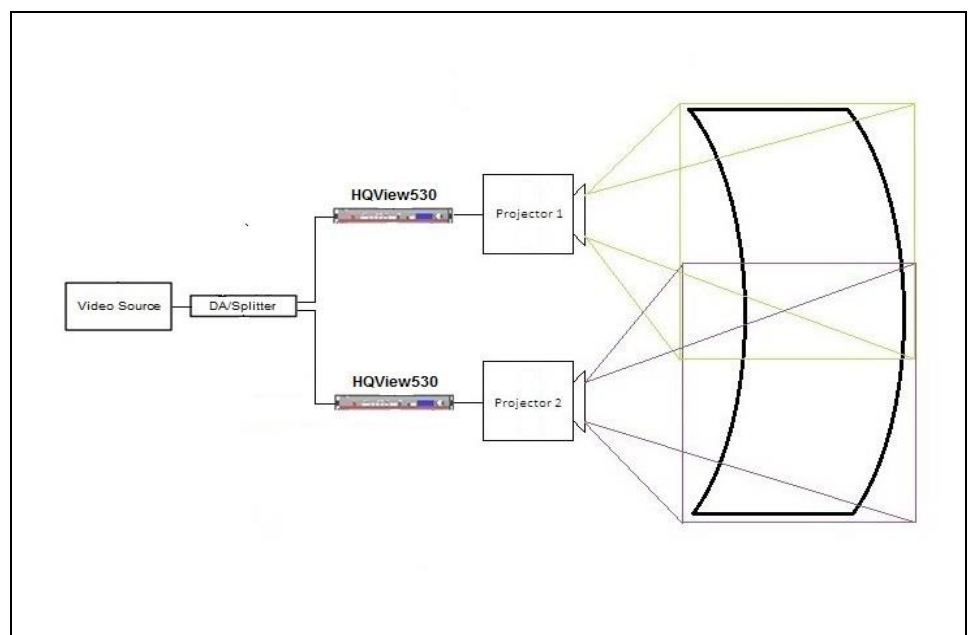
HQView530 features 4-sided soft edge blend with multi-region black level correction for seamless blending of multiple projectors and includes flexible geometry correction functions able to correct image shape and projector misalignment by dragging and dropping each image corner, or pin/barrel, rotation or keystone and rotation.

Full warp mapping is also supported by HQView530. A PC application is included for easy warp map creation or third-party generated warp maps can also be processed from automatic image alignment systems.

HQView530 has 3G-SDI input and out connectivity with backwards compatibility with HD-SDI and SD-SDI. For in-camera use a Genlock input is provided for compatible with bi or tri-level sync or black & burst.

For LED videowalls LEDView530 is also available with optimized operating modes for LED, Projection and Scaling.

- 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 projector stacking
- Genlock and I/O Lock for in-camera and edge blend use



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HQView530

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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
 1 x 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

Supported video formats

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 Requirements

100-264VAC, 35W typical

Warranty

3-years return to base warranty covers parts and labor.

HQView model >	100S	210	310	320	325	530
Front LCD menu or OSD control	OSD	OSD	OSD	OSD	OSD	LCD
DVI/HDMI Inputs			x	x	x	x
Component Input			x	x		x
Composite/S-Video Inputs	x					x
VGA Analog Input			x	x		x
HD-SDI Input						
3G-SDI Input		x				x
DVI/HDMI Output	x	x	x	x	x	x
VGA Analog Output						x
3G-SDI Output						x
3G-SDI Audio embed/de-embed						x
HQV Processing	x	x	x	x	x	x
PIP/POP/PAP						x
TCP/IP Control	x	x	x	x	x	x
Low Latency Mode	x	x	x	x	x	x
Flicker Filter for Interlaced Output Modes						x
Geometry Correction, 4-Corner, Rotate		x	x	x	x	x
Genlock (V-Lock)						x
Pan, Zoom, Tilt	x	x	x	x	x	x
Edge Blending			x	x	x	x
Edge Blend Black Level Correction					x	x
Auto pan/zoom/tilt of content for blending			x	x	x	x
Warp Mapping				x	x	x



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