

HQView520

Universal HQV™ Scaler–Switcher-Scan Converter with Projection Mapping Warp, Edge Blend & 3G-SDI In/Out



Harnessing the power of the Reon™ video processor running state of the art HQV™ algorithms with expertly designed hardware and firmware from Calibre, HQView520 is a highly flexible image scaler and scan converter which provides stunning image quality for professional, broadcast and corporate AV users.

HQView520 features 4-sided soft edge blend 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 by pin/barrel, rotation or by keystone and rotation.

Full warp mapping is also supported by HQView520. 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 making HQView520 ideal for dual overlaid projector alignment in 3D systems.

HQView520 has 3G-SDI input and out connectivity with backwards compatibility with HDSDI and SD-SDI. A Genlock input is provided for studio/staging, compatible with bi or tri-level sync or black & burst.

- Best in class professional image processing in a compact affordable 1U format
- Use as a routing switcher and universal interface for 3G-SDI, HD-SDI, DVI or HDMI switching and distribution systems, projectors and displays
- Improve video image quality with better detail and clarity
- Superior de-interlacing reduces image flicker and artefacts
- Remove picture noise from poor quality video sources
- 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 use

- 3G-SDI, HDMI, DVI, VGA Analog, Component YPbPr, RGB/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 and 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 soft edge blend
- Flexible warp mapping

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