

HQView300S Compact HQV™ Scaler



Harnessing the power of the Reon™ video processor running state of the art HQV™ algorithms with expertly designed hardware and firmware from Calibre, HQView300S is a compact yet high performance image scaler with HDMI/DVI/Component/VGA input capability and HDMI/DVI output which provides stunning image quality for professional, broadcast and corporate AV users.

- Best in class professional image processing in a compact affordable module
- Connect Component or VGA to DVI or HDMI switching and distribution systems, projectors and displays without a component input
- Reprocess DVI/HDMI to improve image detail and quality
- Superior de-interlacing reduces image flicker and artefacts
- Remove picture noise from poor quality video sources

- HDMI, DVI, VGA Analog, Component inputs for signals up to 1080p & WUXGA
- HDMI/DVI output up to 1080p/WUXGA
- Flexible colour 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, 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

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Inputs

1 x Component analog video YPbPr(S) or RGsB/RGBS via 3 or 4 x BNC jack
 1 x DVI/HDMI and HDCP via DVI-I connector, supports HDMI1.3 with HDCP, 8/10/12 bit video compatible
 1 X VGA analog via DVI-I connector (common with DVI/HDMI input)

Supported video formats:

HD 720p, 1080i, 1080psf (psf digital only),
 1080p23.97/24/25/30, 1080p30, 1080p59.94, 1080p60
 ED 480p, 576p
 SD 625i (576i), 525i (480i)
 Common Versa graphics formats from 640x480 to 1920x1200 (with reduced blanking for 1920x1200 and 1600x1200 modes)

Outputs

1x DVI/HDMI with HDCP
 (HDMI1.3 with deep color 8/10/12 bit support, via DVI connector.)

Supported Output formats:

Common VESA formats from 640x480 to 1920x1200, 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 RS232, TCP/IP API and Web Server.
 Keypad for OSD menu access
 USB port for uploading software updates and new features.

Power Requirements

12VDC@approx 1.5A, external 100-265VAC PSU included.

Warranty

1-year return to base warranty covers parts and labor, shipping excluded.

HQView model >	100S	200S	210	300S	310	320	400S	410	420	500S	510	520
DVI/HDMI Inputs				x	x	x	x	x	x	X	x	x
Component Input				x	x	x	x	x	x	X	x	x
Composite/S-Video Inputs	x						x	x	x	X	x	x
VGA Analog Input				x	x	x	x	x	x	X	x	x
HD-SDI Input							x	x	x			
3G-SDI Input		x	x							x	x	x
DVI/HDMI Output	x	x	x	x	x	x	x	x	x	x	x	x
VGA Analog Output							x	x	x	x	x	x
3G-SDI Output										x	x	x
3G-SDI Audio embed/de-embed										x	x	x
HQV Processing	x	x	x	x	x	x	x	x	x	x	x	x
PIP/POP/PAP							x	x	x	x	x	x
TCP/IP Control	x	x	x	x	x	x	x	x	x	x	x	x
Low Latency Mode	x	x	x	x	x	x	x	x	x	x	x	x
Flicker Filter for Interlaced Output Modes										x	x	x
Geometry Correction, 4-Corner, Rotate			x		x	x		x	x		x	x
Genlock (V-Lock)										x	x	x
Pan, Zoom, Tilt	x	x	x	x	x	x	x	x	x	x	x	x
Edge Blending					x	x		x	x		x	x
Auto pan/zoom/tilt of content for blending					x	x		x	x		x	x
Projection Mapping/Warp						x			x			x