

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 HDMI 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
 (HDMI 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

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

HQView model >	100S	200S	210	300S	310	320	325	400S	410	420	500S	510	520	530
Front LCD menu or OSD control	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	OSD	LCD
DVI/HDMI Inputs				x	x	x	x	x	x	x	x	x	x	x
Component Input				x	x	x		x	x	x	x	x	x	x
Composite/S-Video Inputs	x							x	x	x	x	x	x	x
VGA Analog Input				x	x	x		x	x	x	x	x	x	x
HD-SDI Input								x	x	x				
3G-SDI Input		x	x								x	x	x	x
DVI/HDMI Output	x	x	x	x	x	x	x	x	x	x	x	x	x	x
VGA Analog Output								x	x	x	x	x	x	x
3G-SDI Output											x	x	x	x
3G-SDI Audio embed/de-embed											x	x	x	x
HQV Processing	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PIP/POP/PAP								x	x	x	x	x	x	x
TCP/IP Control	x	x	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	x	x
Flicker Filter for Interlaced Output Modes											x	x	x	x
Geometry Correction, 4-Corner, Rotate			x		x	x	x		x	x		x	x	x
Genlock (V-Lock)											x	x	x	x
Pan, Zoom, Tilt	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Edge Blending					x	x	x		x	x		x	x	x
Edge Blend Black Level Correction							x					x	x	x
Auto pan/zoom/tilt of content for blending					x	x	x		x	x		x	x	x
Warp Mapping						x	x			x			x	x

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