



# HQView100S

## HQV™ Video to DVI/HDMI Converter and Scaler



Harnessing the power of the Reon™ video processor running state of the art HQV™ algorithms with expertly designed hardware and firmware from Calibre, HQView100S is a compact yet high performance dedicated Composite and YC/S-Video image scaler which provides stunning image quality for professional, broadcast and corporate AV users.

- Best in class professional image processing in a compact affordable module
- Connect video to DVI or HDMI switching and distribution systems
- Interface video to projectors or displays without a Composite or YC/S-Video input
- 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

- 2 Composite, 1 S-Video input
- HDMI deep color/DVI output up to 1080p/WUXGA
- Full multistandard processing
- 3D comb filter, selectable
- Motion adaptive per pixel video de-interlacing
- 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
- 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

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## HQV™ Video to DVI/HDMI Converter and Scaler

### 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

### Supported video formats:

SD 625i (576i), 525i (480i)

Multistandard support for CVBS & YC in PAL, NTSC, SECAM formats with selectable 3D comb for composite

### 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, and HD formats at 720p, 1080p.  
Selectable I/O lock mode, or frame rate conversion  
Selectable aspect ratio conversion, or incoming aspect ratio preserve mode

### User Controls

Keypad for direct input selection and OSD menu access  
Remote control via RS232, TCP/IP API and Web Server  
USB port for uploading software updates and new features

### Power Requirements

12VDC@approx 1.5A, external 100-264VAC 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