



HQView200S

HQV™ 3G-SDI 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, HQView200S is a compact yet high performance dedicated 3G-SDI to HDMI/DVI 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 3G-SDI to DVI or HDMI switching and distribution systems
- 3G-SDI, HD SDI and SD-SDI compatible
- Interface video to projectors without SDI 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

- 3G-SDI input for 4:2:2 signals up to 1080p
- 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
- 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 3G-SDI with active cable EQ, accepts 3G, HD and SD SDI 4:2:2 format signals via BNC

Supported video formats:

HD 720p, 1080i, 1080psf, 1080p23.97/24/25/30, 1080p30, 1080p50, 1080p59.94, 1080p60
SD 625i (576i), 525i (480i)

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, and HD formats at 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 direct input selection and OSD menu access
USB port for uploading software updates and new features

Power Requirements

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