CALIBRE

HQView100S
HQV™ Video to DVI/HDMI Converter and Scaler

Harnessing the power of the Reon™ video processor from IDT, 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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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 mode
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
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
Genlock										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
Warp Mapping						x			x			x