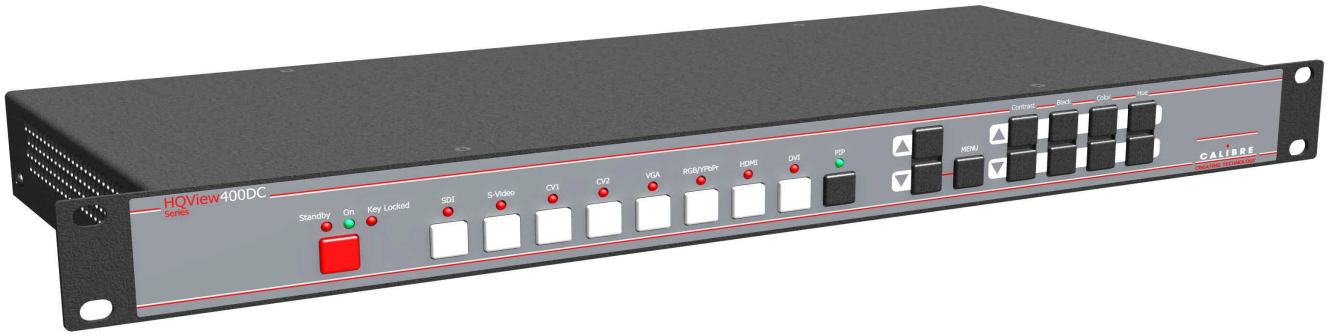
CALIBRE

HQView400DC

HQV™ Digital Cinema Alternative Content Scaler-Switcher



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, HQView400DC is a highly flexible digital cinema alternative content scaler-switcher which gives stunning image quality from consumer and professional AV sources, providing flexible connectivity and a compact 1U form factor.

HQView400DC is specifically optimized for use with digital cinema projectors.

- Digital Cinema alternative content image processor in a compact 1U format
- Use as a routing switcher and universal interface
- Improve video image quality with better detail and clarity
- Superior de-interlacing reduces image flicker and artefacts
- Optimized for integration with digital cinema projectors
- Lower cost alternative to Calibre's PVProHD-DC super-premium alternative content processor

- HDMI, DVI, VGA Analog, Component YPbPr,RGsB/RGBS, Composite, S-Video & HD-SDI inputs with signal compatibility up to 1080p & WUXGA
- HDMI/DVI & VGA Analog outputs
- 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
- PIP (Picture in Picture), POP (Picture on Picture), PAP (Picture alongside Picture)
- Direct input selection keys allow input selection without using menu system
- Flexible color 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
- Compatible with alternative content DVI or HDMI input on digital cinema projectors

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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
1x Component analog video YPbPr(S) or RGsB/RGBS via 3 or 4 x BNC jack
1x HDMI1.3 with HDCP, 8/10/12 bit video compatible, 10-bit internal processing depth. Audio strip-off of SPDIF compatible formats
1x DVI with HDCP
1x VGA Analog via 15HDD
1 x HD-SDI, accepts SD and HD SDI signals via BNC

Supported video formats:
HD 720p, 1080i, 1080psf (psf digital only), 1080p23.97/24/25/30, 1080p30, 1080p50, 1080p59.94, 1080p60
ED 480p, 576p (not via SDI)
SD 625i (576i), 525i (480i)
Common VESA graphics formats from 640x480 to 1920x1200 (with reduced blanking for 1920x1200 and 1600x1200 modes)

Multi standard 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)
1x VGA Analog via 15HDD
1x S/PDIF digital audio via RCA
NB: VGA Analog output is disabled with HDCP-encrypted input

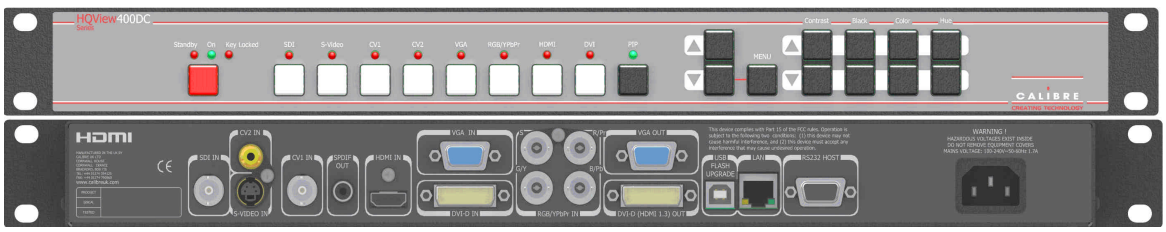
Supported Output formats:
Primary output mode is 1920x1080 optimized for alternative content input of digital cinema projectors
Also supports common VESA formats from 640x480 to 1920x1200, and HD formats at 720p, 1080p.
Selectable I/O lock mode, or frame rate conversion mode
Selectable aspect ratio conversion

User Controls
Keypad for direct input selection, control of common adjustments and OSD
Remote control via RS232, TCP/IP API and Web Server
USB port for uploading software updates and new features

Power Requirements
100-264VAC, 30W typical

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

Key Features	Inputs	Front Controls	Remote Control	Processing	Motion Adaptive Noise Reduction	Real-time Unsharp Mask	Audio Follow Video	24p Output Support, 2K in and Out Support
HQView400DC	DVI, HDMI, 2xComposite, 1xSVideo, 1xComponent, 1xVGA, 1xHD-SDI	OSD based with direct input select keys	TCP/IP based web server or TCP/IP & RS232 based API	IDT-HQV on ReonVX video processor	SD only			No
PVProHD-DC	DVI, HDMI, 2xComposite, 2xSVideo, 2xComponent, 1xVGA, 1xHD-SDI	Front panel LCD, user definable input select keys with signal status indication	TCP/IP or RS232 based remote control application and API	Realta professional image processor running post-production grade HQV real-time algorithms using 1Tflop TVP DSP	HD & SD up to 1080i50/60 and 1080p24 max	HD & SD up to 1080i50/60 and 1080p24 max	Analog, digital and optical audio support, user definable automatic audio routing	Yes



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