

LEDView400

LED Screen HQV™ 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, LEDView400 is a cost effective yet high quality LED video screen image scaler for which provides excellent image quality for professional, sports, signage & corporate AV.

LEDView400 features 4-sided edge drag and drop for sizing the picture to fit the LED screen, making system configuration very easy.

Drive screens from 128x96 to 1920x1200 pixels.

Very low image latency ensures minimal picture lag.

Control is by webserver for easy intuitive installation & control without the need for special control software apps to be installed.

- Best in class professional scaling in a compact affordable 1U format
- Use as a routing switcher and universal interface for connecting LED screens to HD-SDI, DVI or HDMI, Composite, S-Video, Component or SVGA
- Improve video image quality with better detail and clarity
- Superior de-interlacing reduces image flicker and artefacts
- Remove picture noise from poor quality SD video sources
- Powerful picture re-sizing to fit LED screen with simple edge drag and drop

- HD-SDI, HDMI, DVI, VGA Analog, Component YPbPr, RGB/RGBS, Composite & S-Video 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
- Direct input selection keys allow input selection without using browser interface
- Flexible color calibration controls, Gamma controls
- 10-bit signal inputs, 12-bit accurate internal processing
- Latency as low as 1.25-frames progressive inputs
- Latency as low as 2.25-frames interlaced inputs with motion adaptive processing
- I/O Lock and Free Run selectable output modes
- USB port for in-field firmware updates
- Configuration & control via Web Server, interfaces to industry standard browsers
- TCP/IP & RS232 remote control API
- Easy to navigate self-explanatory menus
- Powerful LED screen sizing, as low as 128x96 pixels
- Max screen size 1920x1200
- Pan, Zoom, Tilt
- Black Crush control for low-level background noise removal

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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 RGBS/RGsb 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
1x HD-SDI, accepts SD and HD SDI signals via BNC

Supported video formats:

HD 720p, 1080i, 1080psf (psf digital only)
1080p23.97/24/30, 1080p30, 1080p50, 1080p59.94, 1080p60
ED 480p, 576p (not via SDI)
SD625i (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:

DVI/VGA common VESA/SMPTE progressive scan formats from
640x480 to 1920x1200, 720p, 1080p
Selectable I/O lock or frame rate conversion mode
Selectable aspect ratio conversion

User Controls

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

Power Requirements

100-264VAC, 30W typical

Warranty

1-year return to base warranty for parts and labor, shipping excl.

LED Video Scaler/Processor Model >	LEDView400	LEDView510	PVProHD-LED
Broadcast Grade HQV Processing & 1024-tap scaling using Realta			X
Professional HQV Processing using Reon	X	X	
DVI/HDMI Inputs	X	X	X
Component Input	X	X	X
Composite/S-Video Inputs	X	X	X
VGA Analog Input	X	X	X
HD-SDI Input, SD-SDI compatible	X		X
3G-SDI In & Out, HD-SDI & SD-SDI compatible, with audio de-embed		X	
DVI/HDMI Output	X	X	X
VGA Analog Output	X	X	X
SD Temporal and MPEG noise reduction	X	X	X
HD Temporal noise reduction			X
Detail Enhancement, 2D	X	X	X
Real-Time Unsharp Mask			X
Picture in Picture (PIP)	X	X	X
User controls via Web Server	X	X	
PC-based remote control software with back-up/restore capability			X
TCP/IP Control	X	X	X
Low Latency Mode		X	X
Flicker Filter for interlaced signals in Low Latency mode		X	X
LED Screen Sizing by Edge Drag-Drop	X	X	X
Genlock to bi/tri-level sync		X	X
Genlock to digital sync			X
Pan, Zoom, Tilt	X	X	X
Direct Input Select Buttons	X	X	X
Multiple unit mode with Auto pan/zoom/tilt		X	X
Black Crush control with level adjustment		X	X
Front panel LCD menu system			X



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