



HQView325

HQV™ Scaler with Warp Mapping
Edge Blend & HDMI/DVI In/Out



Harnessing the power of the Reon™ video processor running state of the art HQV™ algorithms with expertly designed hardware and firmware from Calibre, HQView325 is a highly flexible warp and blend scaler for professional, broadcast and corporate AV users.

HQView325 features 4-sided soft edge blend with multi-region black level correction for seamless blending of multiple projectors. It also includes flexible geometry correction functions able to correct image shape and projector misalignment by dragging and dropping each image corner, or by pin/barrel, rotation or by keystone and rotation.

Full warp mapping is also supported by HQView325. A PC application is included for easy warp map creation or third-party generated warp maps can also be processed from automatic image alignment systems making HQView325 ideal for stacked projector alignment and curved screen multi-projector tiling.

HQView325 has digital I/O compatible with DVI and HDMI including deep colour support.

- Best in class professional image processing in a compact affordable 1U format
- Improve video image quality with better detail and clarity
- Powerful geometry correction for off-axis projection, pin/barrel, image rotation
- 4-Sided soft edge blend for tiling multiple projectors to produce large images
- Flexible warp mapping for curved screen projection, simulation and projector stacking

- HDMI, DVI & VGA inputs with signal compatibility up to 1080p & WUXGA
- HDMI/DVI multifunction output
- 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 menu system
- Flexible color calibration controls
- Gamma controls
- Selectable processing versus latency: best picture and low latency modes
- Latency as low as 0.25-frame progressive inputs, 1.25-frames interlaced inputs
- I/O Lock and Free Run selectable output modes
- 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
- Powerful geometry correction capabilities
- Pan, Zoom, Tilt
- Image rotation, pin/barrel correction
- 4-Sided edge blend with 48-bit processing & multi-region black level correction
- Flexible warp mapping

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Inputs

1x HDMI with HDCP support, 8/12 bit deep colour compatible.
Audio de-embed from HDMI of SPDIF compatible formats
1x DVI with HDCP support
1x VGA Analog via 15HDD

Supported video input formats

HD 720p, 1080i, 1080psf, 1080p23.97/24/25/30, 1080p30,
1080p50, 1080p59.94, 1080p60
ED 480p, 576p
SD 625i (576i), 525i (480i)
Common VESA graphics formats from 640x480 to 1920x1200
(with reduced blanking for 1920x1200 and 1600x1200 modes)

Outputs

1x DVI/HDMI with HDCP (HDMI with deep color 8/10/12 bit support, via DVI connector)
1x S/PDIF digital audio via RCA

Supported Output formats:

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

User Controls

Remote control via RS232, TCP/IP API and Web Server.
PC-based Warp Map Generator tool
Keypad for direct input selection and control of common adjustments as well as OSD menu access.
USB port for uploading software updates and new features

Power Requirements

100-264VAC, 35W typical

Warranty

3-years return to base warranty covers parts and labor.

Model >	H210	H310	H320	H325	L530	H620	H625	H630	H670	H730	H770	L720	L725	L730	L770
Front LCD menu or OSD control	OSD	OSD	OSD	OSD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
HDMI 4K Inputs						■(2)	■(2)	■(2)	■(2)	■(2)	■(2)	■(2)	■(2)	■(2)	■(2)
HDMI HD Input				■	■	■	■	■	■	■	■	■	■	■	■
DVI/HDMI HD Input		■	■	■	■	■	■	■	■	■	■	■	■	■	■
HDBaseT 4K Input															
DisplayPort 4K Input															
Component Input		BNCs	BNCs		BNCs	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U	DVI-U
Composite Input(s)					■(2)	■	■	■	■	■	■	■	■	■	■
VGA Analog Input		DVI-I	DVI-I												
3G-SDI Input(s)	■				■			■(2)	■(2)	■(2)	■(2)				■(2)
DVI / HDMI HD Output	■	■	■	■											
HDMI 4K Output															
HDBaseT 4K Output															
VGA Analog Output															
3G-SDI Output															
3G-SDI Audio embed/de-embed & SPDIF															
HQV Processing	■	■	■	■	■										
HQUltra 4K Low-Latency Processing															
HQUltraFast High Speed Input Switching															
PIP															
TCP/IP Webserver & API Control	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Geometry Correction, 4-Corner, Rotate	■	■	■	■	■										
Mesh-based Warp, config via PC App															
Genlock - V-Lock															
Genlock - H&V or Crosslock															
Pan, Zoom, Tilt	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Edge Blending															
Edge Blend Black Level Correction															
Videowall mode with auto PTZ		■	■	■	■	■	■	■	■	■	■	■	■	■	■
LED Videowall Per-Edge Sizing															
Analogue Audio In, Out and Power Amp						Opt	Opt	Opt	Opt	Opt	Opt				
Opt: option fitted to models with "A" suffix															
Streaming Video Input via Network Port															
Opt: option fitted to models with "SV" suffix						Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt



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