

HQView620

HQUltra Presentation Scaler-Switcher with HQUltraFast Input Switching



HQView620 is a universal image scaler based on Calibre's proprietary class-leading HQUltra 4K image processing technology. HQUltra scaling provides best in class picture quality with low latency video processing.

Featuring Calibre's proprietary HQUltraFast source switching able to switch input channels in under a quarter of a second, HQView620 has a wide range of input connectivity for today's digitally connected ProAV world, but still is able to support legacy formats too, all with great image quality.

HQView620 includes front panel controls with easy to read front panel menu system as well as remote control via inbuilt webserver or easy to implement API commands.

Flexible Pan-Tilt-Zoom controls allow selection of an area of interest.

Rugged 1U rack-mountable case with integral modular universal mains PSU.

- Perfect scaling with Calibre's HQUltra low-latency 4K best-in-class proprietary scaling algorithms
- HQUltraFast proprietary typical 0.25 seconds input channel switching technology
- Front panel jog-wheel and LCD display for fast easy set-up in the field
- 8 Video Inputs: 2xHDMI 4K, 1xHDMI HD, 1xDisplayPort 4K, 1xVGA, 1xCVBS, 1xDVI-U (DVI/HDMI & VGA/RGBS/YPbPr)
- 2 Video Outputs: 1xHDMI 4K, 1xDVI/HDMI
- Brightness, Contrast, Saturation controls for all source types
- RGB calibration controls (not 4:2:0 in to 4:2:0 out)
- Flexible Aspect Ratio Conversion
- Audio de-embed from HDMI & DisplayPort inputs to S/PDIF, re-embed to HDMI outputs
- Multiple outputs for local monitoring of live output feed
- Remote control via webserver or simple API
- Optional analogue audio, mic mixer and 30W RMS power amp
- Optional H.264 HD Streaming Video Input



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HQUltra Presentation Scaler-Switcher with HQUltraFast Input Switching

Inputs

2x HDMI 4K
 1x HDMI HD
 1x DisplayPort 4K
 1x DVI-U supporting VESA modes, SD, HD, can be configured as fourth HDMI input.
 DVI-U input also simultaneously supports VGA/RGBS/YPbPr legacy analog formats with suitable cable.
 1x VGA Analog
 1x Composite PAL/NTSC/SECAM
 Optional H.264 Streaming Video Input via Gigabit Ethernet Port

HDCP supported on all HDMI/DVI/DisplayPort I/O

Supported digital input and output formats:

4K/UHD (HDMI 4K/DisplayPort /HDBaseT only)
 3840x2160p, 4096x2160p 23.97/24/25/29.94/30/50/59.94/60;
 UHD/4K 50/59.94/60p modes supported in 4:2:0 format.
 HD 1280x720p, 1920x1080i, 1920x1080psf,
 1920x1080p23.97/24/25/29.94/30/50/59.94/60,
 2048x1080p23.97/24/25/29.94/30/50/59.94/60.
 ED 480p, 576p, SD 625i (576i), 525i (480i)
 Common VESA graphics formats from VGA to 4K,
 (Modes higher than WUXGA on 4K capable input channels only)

Outputs

1x HDMI 4K via HDMI connector
 1x DVI/HDMI via DVI connector
 1x S/PDIF digital audio via RCA
All outputs are available simultaneously, with the same image shown on each.

Supported Switching & Sync Modes

HQUltraFast input Switching in Free-Run mode
 Also supports Source Lock when HQUltraFast not required

User Controls

Front panel jog-wheel and LCD menu display for fast set-up.
 Keypad for direct input selection and integral indicator LEDs.
 Remote control via RS232, TCP/IP API and Web Server.
 Gigabit Ethernet for webserver and remote control API

Power Requirements

100-264VAC, 50W typical

Warranty

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

Order Codes

HQView620 – Order Code **H620**
 HQView620A with Analogue Audio – Order Code **H620A**
 HQView620SV with Streaming Video Input – Order Code **H620SV**
 HQView620ASV with Audio & Streaming – Order Code **H620ASV**



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)	■(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	■	■				
Streaming Video Input via Network Port						Opt	Opt	Opt	Opt	■	■	Opt	Opt	Opt	Opt
Opt: option fitted to models with "A" suffix															
Opt: option fitted to models with "SV" suffix															

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