

HQPro1000

Versatile Flexible seamless Scaler-Switcher perfect for fixed install, rental, studio and education



HQPro1000 is the first model released in the HQPro family of versatile scaler-switchers. This second generation model builds on the functionality found in the first generation models and expands its capability.

HQPro1000 is a high-end image scaler based on Calibre's latest proprietary class leading image processing technology providing best in class picture quality with low latency video processing.

As with previous generations of Calibre product, HQPro has optimized scaling algorithm and special LED mode with per-edge pixel-accurate image sizing for fast pixel-perfect image alignment of all sources on LED videowalls.

HQPro1000 includes front panel controls with easy to read front panel menu system as well as remote control via inbuilt webserver or easy to implement protocol.

For in-camera use a Genlock input is provided compatible with bi or tri-level sync or black & burst.

Rugged 2U rack-mountable case with integral modular universal mains PSU.

- Perfect scaling with Calibre's HQPro 4K best-in-class proprietary scaling algorithms
- 4K 50/60 4:4:4 Signal Processing providing the sharpest and clearest images
- LED Videowall Optimized Scaling with per-edge pixel-accurate custom sizing
- Front panel jog-wheel and LCD display for fast easy set-up in the field
- 4 layer support with background
- 1 video output and 1 confidence monitor output
- Up to 10 presets selectable from the front panel
- Wireframe mode, allows users to preview the layer setup before a preset is executed
- Chroma/Luma Keying for enhanced visual experience
- Flexible image adjustments
- Genlock with loophtru
- Modular design allowing for simple change of I/O to suit the environment
- Optional Remote control console available or control via webserver or simple API
- Remote control via webserver or simple API
- Supports LED Videowalls from 4096x2160 to 128x96 pixels



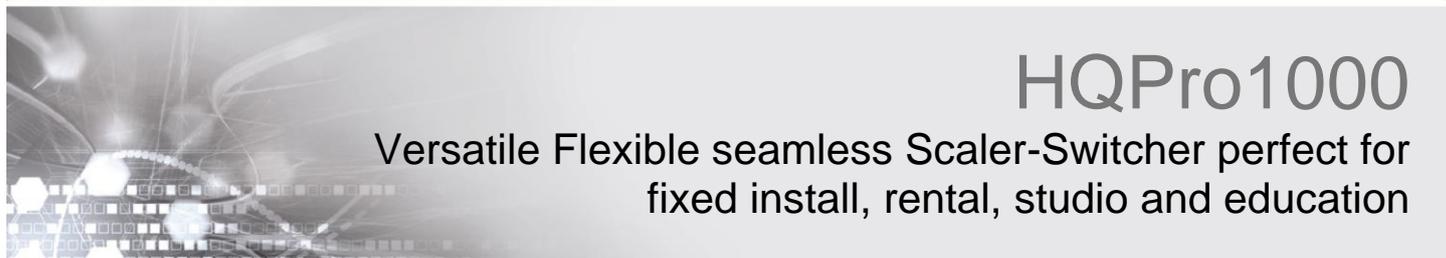
EU +44 1274 940 770
APAC +886 989 997 068
US +1 438 448 3614



proavsales@calibreuk.com



<http://www.calibreuk.com>



HQPro1000

Versatile Flexible seamless Scaler-Switcher perfect for fixed install, rental, studio and education

	Base Unit	Optional
HQPro1000 Main Unit <ul style="list-style-type: none"> HDMI 4K 2.0 Inputs with (HDCP 2.2) HDMI 4K 2.0 Output with (HDCP 2.2) HDMI 2K 1.4 Confidence Monitor Output (HDCP 1.3) Ext. Genlock Input and Loop through 	2 1 1 1	
General Input Module (GIM) <ul style="list-style-type: none"> HDMI 4K 2.0 Input (HDCP 2.2) DisplayPort 4K 1.2 Input (HDCP 1.3) 3G-SDI Input 		1 1 1
Quad Output Module (QOM) <ul style="list-style-type: none"> HDMI 2K 1.4b Output (HDCP 1.4) 		4
12G-SDI Input Module (IM) <ul style="list-style-type: none"> 12G-SDI Input 		4
Communication Ports <ul style="list-style-type: none"> TCP/IP USB RS232 Port 	1 1 1	

Supported digital input and output formats:

4K/UHD (HDMI 4K)
Signal formats - video
SD: 625i (576i) and 525i (480i) in double-rate formats; ED: 480p, 576p;
HD: 1280x720p, 1920x1080i, 1920x1080psf; 1920x1080p 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz; 2048x1080p 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz.

4K: 3840x2160p & 4096x2160p @ 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz
Signal formats – computer
Common VESA graphics formats from VGA up-to 4K including 2560x1440p, 2560x1600p, 3840x2160p & 4096x2160p @ 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz at 4:4:4 colour space format

4K DP Input (General Input Module Only)
Display Port without HDCP, 36-bit video compatible.
Signal formats as HDMI

3G-SDI Input (General Input Module Only)
Format: SD-SDI, HD-SDI and 3G-SDI YCbCr 4:2:2 serial digital component video.

12G-SDI Input (12G-SDI Input Module only)
Format: SD-SDI, HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI YCbCr 4:2:2 serial digital component video.

Genlock Input with loop through

The Genlock input supports the following signals:

- NTSC and PAL Blackburst
- HD tri-level sync, per SMPTE 274M & 296M.

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
Communication via RS-232, TCP/IP API and Web server, HQPro1050RCC optional stand-alone remote-control console Gigabit Ethernet for webserver and remote-control API/console

Power Requirements
Input power: 100-240 VAC 50/60Hz 300W (Typical) Consumption: 106 Watts

Noise Level
At normal Operation: 40.3 dB(A)

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

Operating Conditions

Temperature:	0°C to 40°C (ambient 25°C)
Humidity (non-condensing)	5% to 95%

Storage

Temperature	-25°C to +85°C
Humidity	0% to 95%

Order Codes HQPro & RCC

Main Unit with 2 fitted GIM cards – HQPro1000
Main unit only – HQPro1000_Base
Remote Console – HQPro1050RCC



Order Codes – I/O Modules

General Input Module – GIM1.0
12G-SDI Input Module – 12G_SDI_IM
Quad 2K output card – HDM_Q2K_OM

