



Press Release

Prolight + Sound Sees First Public Showing of Calibre's New 4k Scaler/Switcher

HQPro1000 "sets new level of price/performance"

Bradford, Yorkshire, UK, March 2019: Calibre's new HQPro1000 4K/UltraHD scaler/switcher is receiving its first public showing at Prolight + Sound (2-5 April, Messe Frankfurt, Hall 4, Stand B35).



The first in the company's HQPro series along with the new HQPro1050 remote controller will be available for Q2/2019 delivery.



Addressing market requirements

"The HQPro1000 is the result of an extensive market research effort that revealed a real need for higher performance at lower price points," said Willy Tsai, Managing Director at Calibre UK. "There is a whole market segment that is not being catered for – and we believe the HQPro1000 responds to what those customers are looking for by setting a new level of price/performance. It features extensive functionality that has traditionally been associated with a high price – and delivers it at a much more affordable level."

Modular, scalable and future-proof

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Designed for professional ProAV and LED large venue applications, the HQPro1000 features a modular architecture composed of the base unit, two optional input cards and one optional output card.

The base unit includes two 4K HDMI 2.0 inputs, one 4K HDMI 2.0 output plus a confidence monitor output and genlock connectors.

The initial release also includes an input card featuring a 4K HDMI 2.0, 4K Display Port 1.2 and a 3G-SDI interfaces greatly expanding the number of supported sources. The initial release also includes a card with four 2K HDMI 1.4 outputs allowing for splicing up-to four LED walls. Future releases will include 12G-SDI and HDBT input and output cards.

The optional cards allow customers to configure the unit according to their specific requirements as well as providing a straightforward, cost-effective upgrade path should their needs change.

Designed with the user in mind

The HQPro1000 supports four layers that can be sized, positioned and mixed anywhere on the output display. Switching is achieved through seamless transitions, cuts or ultra-fast switching. Scaling is provided by Calibre's best-in-class low-latency proprietary HQUltra technology supporting 4K50/60 4:4:4 RGB formats – a high end feature only found in much more expensive 4K switcher/scalers. Additional features include vertical and horizontal flips, support for input area-of-interest (AOI), EDID and HDCP management, freeze and full colour control. A future software release will add support for streaming video using the H.264 codec.

In order to ease the unit operation 10 presets are also included, allowing users to store and easily recall different screen layouts. Each preset stores the source, size and position, and all other attributes associated with each layer. The size, position and priority of all layers stored in each preset can be previewed on the front panel's colour graphic display in a wireframe format.

Flexible Control

In addition to the HQPro1000, Calibre will be introducing at Prolight + Sound the HQPro1050, a dedicated remote controller for the HQPro1000. The HQPro1050 communicates with the main unit via the LAN interface and allows users to fully control the unit from a remote location.

Users can also fully control the unit from the front panel, any computer or mobile device via the built-in webpage interface and soon to be released set of API commands.

“With the proliferation of screens and projectors; growing connectivity complexity; the increasing sophistication of viewers; and the fact that displays are becoming increasingly mission-critical in a range of applications - customers are demanding flexible, powerful, easily upgradable tools with which to manage them,” said Tsai. “The HQPro 1000 is Calibre's response to those needs. The range of features it offers, together with its high performance, makes it uniquely suited to the challenges of managing today's – and tomorrow's – displays.”



ENDS

About Calibre

Multi-award-winning British company Calibre is a pioneer in image processing technology. Over the past 30 years, it has achieved world recognition with the Queen's Award for Enterprise and was one of the designated brands for video processing in the Olympic Games. Calibre is a market leader with innovation, providing image scaling and processing technology for use in broadcast and television, large venue projection and LED videowalls. Calibre became part of Coretronic Corporation in August 2017, which is a milestone in the global chain of the Coretronic Group. Coretronic will continue expanding its international market share, cultivating the industry's best talent, innovating in technology and providing each customer with added value.

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新闻报道

Calibre最新4k 缩放切换器首次亮相Prolight + Sound展

HQPro1000 为用户带来最高性价比

2019年3月，英国约克郡，布莱德福德: Calibre 将于Prolight + Sound (4月2-5日, 德国法兰克福, Hall 4, B35展位) 首次展示最新 HQPro1000 4K/UltraHD 缩放切换器。



该HQPro系列产品连同HQPro1050 远程遥控器将于2019年二季度量产。



满足市场需求

“HQPro1000 基于广泛的市场调研，为客户提供最高性价比。” Calibre UK总裁蔡文玮先生表示，“统观行业细分市场，我们相信HQPro1000通过其价格和产品性能的定位能够更好地满足客户需求，提供最佳性价比。”



模块化、可扩展、面向未来

HQPro1000采用模块化设计，包括一个基础机体，两个可选输入模块与一个可选输出模块，适用于专业视听及LED大屏等多种应用环境。

HQPro1000基础机体拥有两个 4K HDMI 2.0 输入，一个4K HDMI 2.0 输出，另兼备一个监控输出以及genlock同步输入。

最初版本将拥有一个输入模块，包括一个4K HDMI 2.0输入，4K Display Port 1.2 输入和3G-SDI 输入以扩展支持不同输入源。初始版还备有一个可选的输出模块，支持四个2K HDMI 1.4 输出，可拼接成一个4K LED画面。未来版本还将推出支持包括12G-SDI 和 HDBT 输入和输出的模块。

模块化设计允许客户根据自身实际需求来设置设备，并可在需求变化时，简易便捷地进行升级。

以客户为本，从“心”出发

HQPro1000 支持四个图层，各图层可置于画面任何位置，任意大小。切换功能支持无缝切换和超快画面切换。图像缩放源于Calibre独有和市场领先的HQUltra 处理技术，支持4K 50/60Hz 4:4:4 RGB 格式 – 该性能目前仅在市场上一些昂贵的4K缩放切换器中找到。设备还支持水平/垂直旋转，选择感兴趣区域显示 (AOI)，EDID和HDCP兼容，图像定格，色彩管理等众多功能。未来升级版本还将添加H.264 流媒体输出。

为了用户操作方便，设备还拥有10个预设功能，允许用户储存和快速调用不同屏幕设置。每个预设功能都可以储存输入源，输出画面大小和位置等与图层相关的所有设置信息。另外，用户还可在前端面板上以线框格式预览储存在每个预设中的所有图层的大小，位置及优先级。

操控灵活

除了HQPro1000，Calibre 还将在Prolight + Sound 推出与其配套的 HQPro1050，作为HQPro1000的辅助遥控设备。The HQPro1050 通过局域网LAN 接口与主机相连，以使用户遥控操作HQPro1000。

除此之外，用户可通过前端面板直接操作设备，或通过内置网络服务器接口用电脑或手机来控制。未来还可通过简单的API命令进行控制。

“随着市场上LED屏和投影仪产品的激增，连接越来越复杂，客户不同要求众口难调，显示设备的地位愈显重要-用户需要更加灵活，功能强大，易于升级的产品来应对和管理，”蔡先生表示“针对这些需求，Calibre HQPro1000应运而生。秉承强大产品功能和特性，HQPro1000在市场上脱颖而出，服务当今，挑战未来。”



结束语

关于Calibre

Calibre作为英国专业的图像处理技术先驱，深耕显示市场三十余年，坚持研发创新，屡获殊荣，曾荣获英国最高荣誉女王奖 (Queen's Award for Enterprise)，产品获得世界认可，为奥林匹克运动会指定视频处理品牌。Calibre作为创新市场的引导者，其图像缩放和处理技术广泛应用于广播/电视、大型场景投影、LED屏等领域。Calibre于2017年8月整并入中强光电集团，成为中强光电布局国际价值链整合的里程碑。未来中强光电将继续拓展国际化步伐，不断吸纳人才和领先技术，提升自身优势，为客户创造更多价值。

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