



## Company Profile

### The Company

Calibre UK Ltd is a privately owned company based in Bradford, West Yorkshire, England.

Established in 1988, Calibre is highly respected World-wide as a specialist manufacturer of flat panel displays, display electronics, image processing electronics for LED screens, large venue projection, digital cinema and home theater. Calibre also continues its original product line of I<sup>2</sup>C-Bus comms systems.

### Products

#### Flat Panel Display Driver Boards

Calibre specialises in the design and manufacture of high performance LCD display solutions with flexible signal capability, excellent motion reproduction and accurate, artifact-free imaging re-sizing. Calibre's current range of driver boards include the flagship model **RealView**, **PremierView5**, **PremierView4**, **PremierView4-Lite**.

**RealView** is the ultimate display driver board for large-screen super-premium LCD and plasma displays and large projectors. Using Silicon Optix' Realta processor together with Calibre-designed and optimized hardware and firmware, RealView provides unsurpassed outstanding image processing capabilities. Although primarily for the premium home theater market, RealView can also be used for premium pro-av and broadcast monitoring display devices.

**PremierView5** is a special-purpose LCD driver board optimised for medical imaging applications with its ability to display HDTV signals with full-digital HD-SDI processing as well as support for analog SDTV, EDTV and HDTV formats.

**PremierView4** is a high performance video/computer interface driver featuring truly auto scanning signal capability and excellent signal lock, scaling and video motion performance. It is recognised by the industry as being the premium interface for the most demanding of markets and applications including military and aerospace rugged displays.

**PremierView4** has many optional features including image reversal left/right & up/down, professional quality video input stage with RGBS/YUV component video capability, 2x oversampled CVBS and YC, true monochrome mode for hi-res mono sources such as thermal imagers, SDI digital component video input, DVI digital RGB input and frequency-agile frame rate conversion for excellent motion performance even on fixed frequency panels.

As a custom signal compatibility option **PremierView4** can also interface with signals from legacy industrial and military control systems with line rates down to 15KHz. It also has an automatically enabled monochrome mode for use with hi-res monochrome and thermal imaging cameras.

**PremierView4-Lite** is a cost-reduced version of PremierView4 intended for price-sensitive applications. It offers a very good image quality but without some of the facilities and options of PremierView4. It also provides simple user-configuration to panel resolution so is ideal for distributor and catalogue sales.

#### LCD Flat Panel Monitors

Calibre designs and manufactures high performance LCD display solutions for industrial, OEM, military and aerospace applications based around the PremierView driver board technology. Products include a range of monitors from 6.3" to 30" available as metal cased display units, desktop units, a rackmount or OEM open chassis module.

Calibre also designs and manufactures monitors to meet specific customer requirements including In-Flight Entertainment monitors and ruggedised units for extreme environments including air, sea and land-based applications.

#### LCD Medical Displays

In partnership with VTS Medical Inc. in the USA, Calibre provides patient vicinity safe, fully certified medical monitors for use in operating theatres with particular emphasis on displays for connection to medical cameras and endoscopes. The **VividImage** range of medical monitors is designed and manufactured in the USA by VTS Medical using a specially developed versions of Calibre's PremierView4 and PremierView5 driver boards.



### Image Scalers & Converters

Calibre's **PremierViewProHD and PremierViewPro** image scalers are specialist pro-av display processors aimed at the professional projection, digital cinema and large-screen LED display markets as well as super-premium home theatre applications. Five models are available; three especially designed and optimised for driving full-colour LED videowalls, one for large venue professional projection and one for digital cinema.

PremierViewPro offers an unprecedented combination of image processing quality, flexibility and value for money. It is a high-end product with a price range which is acceptable to the target market, offering the very best performance at an affordable price point.

Another long-standing Calibre product is its specialist industrial graphics scan converter/display enhancer **Interlace Buster** for use on legacy Gem80 process control systems. Calibre also sells specialist LCD displays into this same market.

Calibre has also entered the Home Theater market with **Vantage-HD**, a highly featured image scaler and processor for home theatre systems. Incorporating the Realta HQV™ chip from Silicon Optix, and image processing algorithms from Teranex, **Vantage-HD** offers the home theatre user the best possible viewing experience regardless of their other equipment.

### Customised Display and Video Signal Processing Projects

Technologically, Calibre leads all other significant UK suppliers by utilising only its own in-house hardware and software designs for the image processing electronics used within its LCD monitors. This enables Calibre to optimise product performance and retain an unusually high depth of technical knowledge of the design which greatly aids support and customisation abilities.

Calibre designs and manufactures semi-custom or full-custom display solutions to solve customers' electronic display problems. Strengths are a fast turn-around, custom design and manufacture coupled with excellent customer support through all phases of a project.

Calibre's particular specialities are custom-designed military and rugged industrial products for use in harsh environments, with a particular emphasis on military and commercial aerospace displays as well as displays for military ground vehicles.

### Computer Video Distribution Amplifiers & Training Room Presentation Systems

Calibre has developed an inter-related range of computer video distribution and signal routing equipment including "MasterClass" a Training and Presentation Room System. Uses range from IT, educational and corporate training to public information and industrial control/monitoring.

### I<sup>2</sup>C-Bus Comms Adapters

Calibre is the industry-standard provider of PC-based support tools for this communications system used by all electronics engineers working with I<sup>2</sup>C-Bus devices. The bus was originally developed by Philips who now recommend and use Calibre products themselves – Calibre's I<sup>2</sup>C-Bus support tools have become the industry standard since their original launch in 1990. Calibre's I<sup>2</sup>C-Bus Communications Adapters are the ideal development, test and diagnosis tool.

USB-based UCA93LV is a fully-featured USB to I<sup>2</sup>C-Bus Communications Adapter. UCA93LV supports all I<sup>2</sup>C-Bus-compliant protocols including Master and Slave in 8-bit and 10-bit/extended addressing formats in both 100KHz and 400KHz high-speed modes. An established range of PCI, ISA and parallel-port connected I<sup>2</sup>C-Bus comms adapters are also offered.

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