

## High Performance LCD Displays for Airborne, Ground, Naval & Medical Applications



**Calibre UK Ltd** is a specialist manufacturer of flat panel LCD displays and premium image processing technology. The Company concentrates on extremely high performance displays for custom and semi-custom applications in areas as diverse as military, aerospace, maritime, medical, broadcast and covert surveillance.

The high level of competency and flexibility of Calibre's products is underpinned by a hugely experienced engineering team providing in-house design capabilities for key items such as the image processing and display control electronics, specialist power supplies, custom BITE facilities and customised embedded software and firmware. Calibre also has in-house mechanical design capabilities suitable for many projects. To carry this strong capability through to production of displays, Calibre has invested in in-house manufacturing facilities ensuring those key electronic items are able to be manufactured in-house using Calibre's own production facilities to guarantee turnaround times, production quality and tight project management.

Several major defence contractors utilise Calibre's technology directly or indirectly through subcontractors. Calibre also has a special co-operation agreement with Joyce-Loebl in the UK who provide services such as being the primary customer interface particularly when dealing directly with prime contractors and government agencies. Joyce-Loebl also provides services such as specialist mechanical design, environmental and safety certification and full integrated logistics support. Together Calibre and Joyce-Loebl work as a team much stronger than the sum of its constituent parts, with the ability to deliver best in class display solutions on time, in specification and on budget.

Calibre also works directly with certain other contractors where the contractor themselves wishes to provide those services which would otherwise be undertaken by Joyce-Loebl.



**Recent notable projects include:**

1. SentryView20: Jointly developed and manufactured by Calibre and Joyce-Loebl as ultra-high high performance TFT-LCD display specifically designed to interface with the E-3D/E-3A AWACS radar console graphics system, which is also future-proof through its additional ability to support modern high-resolution graphics sources.
2. Very rugged highly customised display processing and management electronics for a key UK defence programme with particular capabilities in respect of multi-mode and thermal camera support and night-vision modes; this is now in full production.
3. An exceptionally rugged driver's display for a UK based fighting vehicle manufacturer which is undergoing trials prior to contract from the ultimate customer.
4. High-resolution camera displays for a specialist thermal imaging camera manufacturer. Especially designed for covert surveillance including a range of mobile and vehicle displays and a miniaturised very low power display with multi-mode camera support for use by combat personnel.
5. Customised display processing electronics for naval/maritime radar displays for an industry leader in maritime electronic systems.
6. Ruggedised displays for use in the cockpit of Andover aircraft for trials of Eurofighter nightvision cameras.
7. Semi-rugged desk-based displays for command and control operations facilities and critical surveillance control rooms.
8. A range of airworthy displays for in-flight entertainment use on board many VIP and royal aircraft World-wide.
- 9: Rugged high-bright wide dimming range displays for coastal vessel surveillance.
- 10: Development and manufacture of extremely rugged, IP67 sealed, safety-critical drivers cab displays for a rail systems contractor.
11. Joint development of patient vicinity safe operating room grade medical LCD displays together with an established US-based medical camera and electronics specialist. For this ongoing project, Calibre designs and manufactures customised hardware and firmware in the UK, the overall monitor is assembled in the USA.

***"WE MAKE DISPLAYS YOUR LIFE DEPENDS ON"***

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