

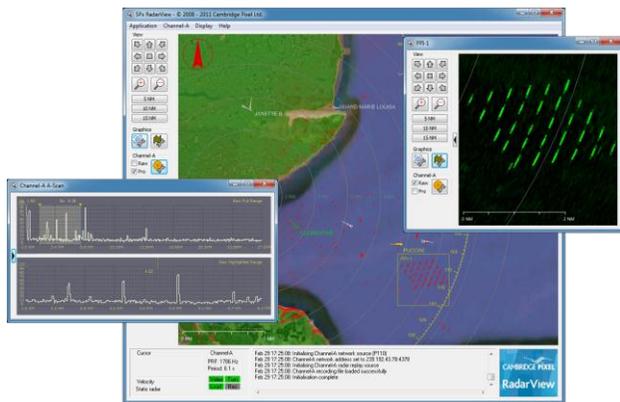


www.cambridgepixel.com

Corporate Overview

Cambridge Pixel Ltd is an innovative engineering company, based in the UK, specializing in the processing and display of primary radar.

Cambridge Pixel prides itself on its market-leading products, first class customer support and high levels of customer satisfaction. Because of this, the company counts many large prime contractors among its customers, including: BAE Systems, Raytheon, Cobham, Frontier Electronic Systems, Kelvin Hughes and Barco.



The Cambridge Pixel family of products encompasses everything from radar acquisition, to signal processing, plot extraction and tracking, through to scan-conversion (PPI and B-Scope) and multi-layered graphics displays. This complete processing capability provides customers with end-to-end solutions from a single, trusted supplier.

Cambridge Pixel's products may be found in the UK Royal Navy's Type 45 destroyers and Queen Elizabeth Class aircraft carrier programs, where they provide network distributed radar video and scan-converted radar displays. They are also employed on the US Navy's AEGIS ships, where they again provide operator displays with scan-converted radar video.

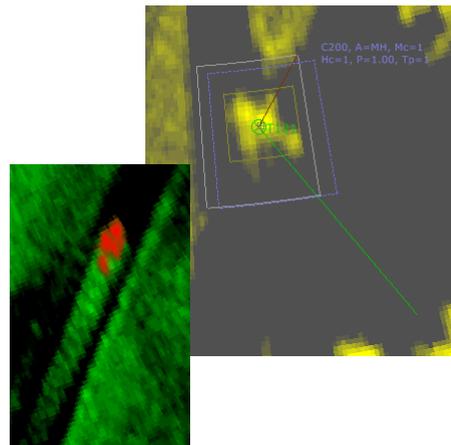
Radar Interfacing Hardware

- Radar input hardware available in PCI, PCI Express and PMC form-factors
- Dual analogue video input via 12-bit ADCs
- Flexible mixing of analogue and digital video inputs
- Opto-coupled signal inputs to provide electrical isolation and common-mode noise rejection.
- Support for ACP/ARP, parallel and synchro azimuth data
- FPGA processing



Radar Processing Software

- Input from hardware or network radar video sources
- Comprehensive processing functions, including: filtering, clutter mapping, thresholding and scan-to-scan integration
- Plot Extraction and Tracking (multi-hypothesis tracker)
- Network distribution of radar video.
- Radar video recording and playback
- User configurable and extensible
- Available as a C++ library or pre-compiled executables
- Windows and Linux support



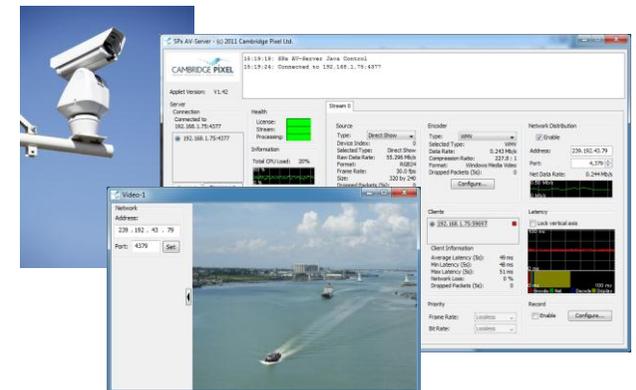
Radar Display Software

- PPI, B-scan and A-scan radar displays
- Software scan-conversion, exploiting modern processor technology
- Flexible support for incorporating underlays and overlays
- Support for multiple radar displays within a single window and multiple windows on a single host.
- Configurable radar presentation: zoom, colour and fade rate
- Runs on x86 processors and standard graphics cards
- ECDIS application support, including electronic charts (S-57)



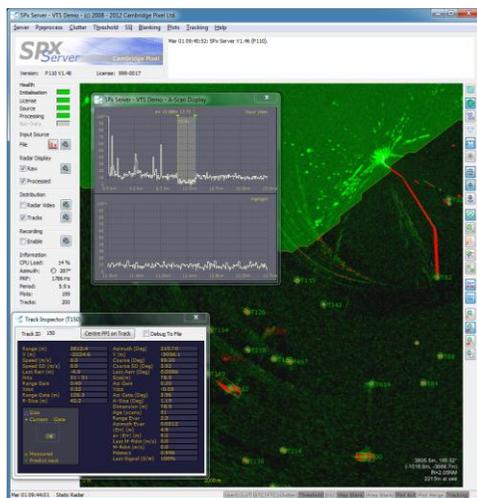
Camera Video Processing and Display Software

- Flexible C++ middleware library and Windows server application
- Support for wide range of video capture hardware, including:
 - Tech Source Condor VC100x
 - Matrox Morphis
 - Any DirectShow/Media Foundation compatible device
- Supports network video input
- Provides video distribution, compression/decompression, display and recording functions
- Metadata support
- Quality-of-service support
- Automatic latency analysis and network bandwidth control



Off-The-Shelf Applications

Pre-compiled applications, built on the Cambridge Pixel SPx software library are also available. These executable programs provide a fast, reliable solution to a number of common requirements.



SPx Server is a server application that addresses a large number of common processing and functional requirements including:

- radar video distribution,
- recording,
- plot extraction and tracking

RadarView is a display application, capable of receiving radar video from the network or directly from an HPx card. RadarView provides an intuitive user-interface capable of displaying video from up to two radar sources in multiple display windows. RadarView also supports display of tracks and up to two TV video windows.

Radar Display Coprocess (RDC) is a background process that eases the integration of scan-converted video within a customer application. RDC receives the radar data, performs the scan conversion and presents a simple socket-based control interface to the developer. This reduces the complexity of integrating radar video into the application and allows them to concentrate on the graphics and functionality instead.

Radar Image Server (RIS) is a scan-conversion server that distributes up to four ready scan-converted radar image streams to multiple clients. The scan-conversion process is moved from the clients to the server, making truly thin clients possible.

SPx AV Server is a server application that provides video distribution and recording of multiple channels of video and audio. The application supports a wide range of input sources and compression algorithms. A separate Java graphical interface application provides full control over the operation of the SPx AV Server.

Major Programs To-Date

A selection of some of major programs that Cambridge Pixel has been involved with:

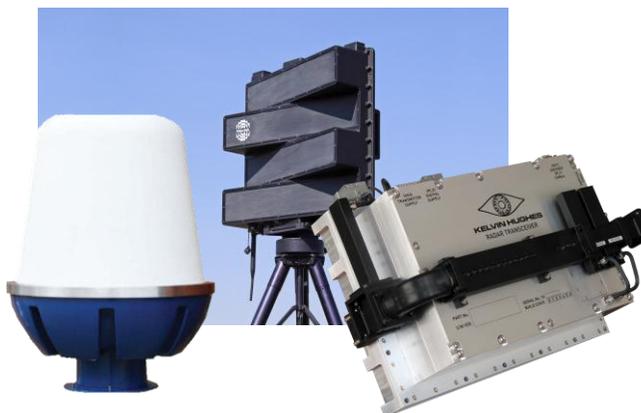
- UK Royal Navy: T-45 Destroyers and CVF Carriers
- US Navy and US Coastguard: Radar upgrades
- US Navy: AEGIS ships
- UK MoD: Watchman early warning radar tracker upgrade
- South African Air Force: Airfield approach radar systems



Partner Programs

Cambridge Pixel has a close working relationship with a number of OEMs, supplying component products to be integrated into or to complement their own products:

- Kelvin Hughes, UK: provide display solutions for Manta/SharpEye displays
- Barco, France: scan conversion software integrated within Barco's RDDS-2 naval console product
- Plextek, UK: SPx tracker used in Plextek's military security radar applications
- Navtech, UK: provide display and tracking solutions for Navtech's radar product



Existing customers

Typically, Cambridge Pixel supplies to system integrators who then use the products as part of their own, overall solution. Below is a selection of some of Cambridge Pixel's larger customers:

- BAE Systems, UK
- Barco, France
- Cobham, UK
- DRS Technologies, US
- Frontier Electronic Systems, US
- Kelvin Hughes, UK
- Navantia, Spain
- Navtech, UK
- Raytheon, US
- Samsung Thales, Korea
- Tellumat, South Africa
- Toshiba, Japan

For additional information, please contact:

Cambridge Pixel Ltd
New Cambridge House,
Litlington,
Royston,
Hertfordshire,
SG8 0SS
UK

+44 (0) 1763 852749

enquiries@cambridgepixel.com



Cambridge Pixel operates an ISO 9001-2008 accredited quality management system.