

## Cambridge Pixel adds video and audio to world-leading SPx software library

- *New SPx AV software will enable Cambridge Pixel to offer integrated radar with audio and video display solutions into security, naval command and control and airborne radar applications such as unmanned aerial vehicles (UAVs)*
- *SPx AV software extends Cambridge Pixel's 'modules-of-expertise' approach allowing systems integrators to exploit advances in graphics processing and display rendering without sacrificing the ability to customise, maintain and enhance their solution*

**CAMBRIDGE, United Kingdom, November 15, 2011** – Cambridge Pixel ([www.cambridgepixel.com](http://www.cambridgepixel.com)), a developer of sensor processing and display solutions, has added audio and video capture, distribution and recording capability to its world-leading SPx software library, which includes ready-to-run software products for radar visualisation, radar video distribution, plot extraction and target tracking.

The new SPx AV software provides a flexible middleware layer for the development of client-server sensor distribution applications. According to Cambridge Pixel, there is a growing requirement for integrated radar and video display solutions in security, naval command and control and airborne radar applications such as unmanned aerial vehicles (UAVs).

“We are seeing cameras deployed on ship landing decks, on periscopes, on oil rigs, and in a whole host of commercial and defence security settings,” said David Johnson, managing director of Cambridge Pixel. “By adding this audio and video capability to our SPx solution, customers and systems integrators can use us to integrate both the video sensor information from cameras with the primary radar or other sensor data on their display system.”

SPx AV software is a toolkit of components which support a wide range of video and audio capture options and includes compression, network streaming, latency and quality of service control, in addition to real-time display of video with overlays, underlay and watermarks.

SPx AV software also support decompression of H.264 video using graphics processors (GPUs) allowing very cost effective sensor distribution and display, with multiple layers of graphics and video being displayed in real-time using standard PC CPU and GPU hardware. The new SPx AV software may be used with Cambridge Pixel's existing SPx radar software for multi-function sensor distribution and display solutions.

Commenting on the new software, David Johnson, added: “Cambridge Pixel's previous success with our radar software has been based on our flexible and open systems approach. This has allowed our customers to incorporate 'modules-of-expertise' into their applications, whilst still permitting them to customise the software solution. We are excited to extend this approach into video and audio and exploit the latest advances in GPU processing and display rendering.”

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Cambridge Pixel's world-leading SPx suite of software libraries and applications provide highly flexible, ready-to-run software products or 'modules-of-expertise' for radar visualisation, radar video distribution, plot extraction and target tracking. Cambridge Pixel's engineering team has decades of experience of developing complex radar and sensor processing and display systems for naval, air traffic control, vessel traffic, security and airborne radar applications.

For more information on Cambridge Pixel's range of commercial-off-the-shelf (COTS) solutions, please visit [www.cambridgepixel.com](http://www.cambridgepixel.com) or call: +44 (0) 1763 852749 or email: [enquiries@cambridgepixel.com](mailto:enquiries@cambridgepixel.com).

A high resolution photograph to accompany this news release is available at: <http://www.cambridgepixel.com/publicity.htm>.

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**About Cambridge Pixel ([www.cambridgepixel.com](http://www.cambridgepixel.com))**

Cambridge Pixel is a UK-based specialist developer of sensor processing and display solutions including primary radar interfacing, processing and display components for military and commercial radar applications. It is a world-leading supplier of software-based radar tracking and scan conversion solutions through its modular SPx software and HPx hardware product range. Based near Cambridge in the UK, the company operates worldwide through a network of agents and distributors.

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