

Cambridge Pixel Unveils USVx Radar Display for Growing Unmanned Surface Vehicle (USV) market

- *Cambridge Pixel at forefront of radar processing for USVs with purpose-built radar display and suite of modules for radar acquisition, tracking, fusion and recording*
- *Cambridge Pixel will be showcasing its USVx radar display – alongside North American distributor, EIZO Rugged Solutions - at Navy League's Sea-Air-Space Expo 2016 (Stand 1019), Maryland, USA from 16-18 May*

CAMBRIDGE, United Kingdom, May 11, 2016 – Cambridge Pixel (www.cambridgepixel.com), an award-winning developer of radar display, tracking and recording subsystems, has launched USVx, a new radar display application to control radar sensors and tracking functions on unmanned or autonomous surface vehicles (USV/ASVs).

Cambridge Pixel's USVx radar display software is targeted at USV developers and manufacturers. USVx provides an integrated display picture of radar, tracks, AIS (automatic identification system) data, context maps and NMEA-0183 navigation data from the USV.

USVx provides a powerful and intuitive graphical user interface designed for use with touchscreens that allows the operator to change range scale, control the operation of the radar and tracker remotely, and monitor alarms and track reports. Fusion software enables AIS reports to be combined with radar tracks.

USVs are vehicles that operate on the surface of the water without a crew and are controlled from a ground station or a mothership. A typical surveillance USV is a sensor-rich platform with capabilities for self-guidance and automatic decision making. Radar is the key sensor for most ASV applications as it provides the data to steer its course and avoid obstacles.

The market for USVs is growing rapidly, driven by demand from navies and commercial enterprises worldwide for more effective maritime security – to combat terrorism, piracy and smuggling, to protect of shallow waters and ports, and for environmental monitoring.

Mark Saunders, sales director, Cambridge Pixel, said: "We are excited to be at the forefront of USV development. Our expertise is well-suited to autonomous vehicles as our core competence is extracting and tracking targets from radar video. Already, we have been working with some of the key USV developers who come to us because we have the capability to interface to a wide range of radar types and offer modules for radar acquisition, processing, tracking, fusion and recording.

"With the addition of USVx, we can now offer our partners a ready-to-run client application providing clear, maritime-style presentation of radar video, tracks and AIS data, alongside our suite of SPx software," said Saunders, "giving integrators flexibility and freedom to use just the modules they require for their specific solution."

Cambridge Pixel's range of interoperable radar processing, display and recording solutions are easily adapted to a wide range of USV platforms to provide local processing as well as remote display of radar and camera video at a control facility.

"Mission recording is another important consideration in USV applications and this can be handled by our radar data recorder (RDR), which captures and stores radar video, tracks, camera video, AIS, and navigation data from the remote vehicle," added Mark Saunders. "The mission data captured by RDR may be replayed through USVx for post mission review and analysis."

Cambridge Pixel's technology is used in naval, air traffic control, vessel traffic, commercial shipping, security, surveillance and airborne radar applications. Its systems have been implemented in mission critical applications with companies such as BAE Systems, Frontier Electronic Systems, Barco Defense, Blighter Surveillance Systems, DRS, Exelis, Kelvin Hughes, Lockheed Martin, Navantia, Navtech Radar, Raytheon, Royal Thai Air Force, Samsung Thales, Sofresud and Tellumat.

For more information about Cambridge Pixel's USVx radar display application, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

Cambridge Pixel is partnering with its North American distributor EIZO Rugged Solutions (formerly Tech Source) at the Navy League's Sea-Air-Space Expo 2016 (Stand 1019), Gaylord National Resort and Convention Center, Maryland, USA from 16-18 May. The company will be showcasing its new USVx radar display, alongside its radar processing software, target tracker, and radar data recorder.

Media photo: www.cambridgepixel.com/news/

Data sheet: <http://www.cambridgepixel.com/files/Datasheets/usvx.pdf>

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About Cambridge Pixel (www.cambridgepixel.com)

Founded in 2007, Cambridge Pixel is an award winning developer of sensor processing and display solutions including primary and secondary 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. In 2015, Cambridge Pixel received a Queen's Award for Enterprise in International Trade for 'outstanding overseas sales growth over the last three years'.

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