News Release

Cambridge Pixel Unveils Multi-Channel Radar Data Recorder

- *Records/replays primary radar video and associated tracks, as well as AIS, ADS-B, IFF and NMEA-0183 navigation data from ship and aircraft transponders; versatile and fully-featured solution for radar testing or mission analysis*

CAMBRIDGE, United Kingdom, August 26, 2015 – Cambridge Pixel (www.cambridgepixel.com), an award-winning developer of radar display and tracking subsystems, has unveiled its multi-channel Radar Data Recorder. This versatile and fully-featured record and replay solution can record primary radar video and associated tracks, as well as AIS, ADS-B, IFF and NMEA-0183 navigation data from ship and aircraft transponders. Network packet messages, including H.264 video streams and camera data, can also be recorded.

The Radar Data Recorder is designed for both session recordings, for example during expensive radar trials or system testing to capture data for later review, and for continuous recording in deployed systems. The product captures a wide range of data types and formats simultaneously within a synchronised data file structure, time-stamping and recording directly to fixed or removable storage media.

Up to three radars may be recorded as either radar signals - digitised using Cambridge Pixel's HPx-200 card, or ASTERIX CAT-240 network video, with other specialised or proprietary radar network formats also supported. On replay, the video may be output as radar signals or as ASTERIX data.

David Johnson, CEO of Cambridge Pixel, said: "Radar is an increasing feature in both military and commercial surveillance solutions, whether on naval and coastguard ships or for border security, airport, air base or infrastructure protection. As a result, system developers need a versatile record and replay solution that can handle the multitude of input data types and formats and then display them to the operator in a sensible and synchronised way."

Cambridge Pixel's Radar Data Recorder may be controlled through a local user-interface, across a network, or through a web browser. The Windows-based user-interface permits configuration of the recording process and visualisation of the data being recorded. A timeline is used to display the progress of the recording or replay, with visual indications of the data being recorded, including any errors or missing data.

"Our sophisticated user interface makes defining channels simple and intuitive, and a 'quick look' feature allows the operator to see and have confidence that data is successfully being received and recorded," added David Johnson.

"We have also incorporated a range of indexing tools to make review and analysis of any recorded session straightforward. For example, a visual timeline display shows the status of each channel as well as periodic snapshots of the radar video. Event markers (location, user-defined, or system events) can also be recorded on the timeline to give a complete picture of the session for post mission analysis."

The Radar Data Recorder is available as a software application or as a fully configured recording sub-system in a 19" rack-mount unit.

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, Navtech Radar, Raytheon, Royal Thai Air Force, Samsung Thales, Sofresud and Tellumat.

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

Cambridge Pixel will be demonstrating the Radar Data Recorder, its radar processing software, target tracker, radar simulator and ASD-100 air surveillance display application at the DSEI Defence and Security show. This takes place in London from September 15-18, 2015 - stand number S4-353, as part of the ADS UK Pavilion.

Media photo: http://www.cambridgepixel.com/news/

Product data sheet: http://www.cambridgepixel.com/files/Datasheets/rdr.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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