Cambridge Pixel Adds Audio Capture to its Multi-function RDR Data Recorder to Support Control Centre Training and Incident Analysis

- *RDR uniquely captures, records and replays the industry's widest range of data types (raw data as well as high-level information) in a single recording product, including radar, audio, camera video (including ONVIF cameras), computer screens, network streams, AIS, ADS-B, IFF and NMEA-0183 navigation data*

CAMBRIDGE, United Kingdom, May 21, 2019 – Cambridge Pixel, a developer of radar display, tracking and recording sub-systems, has enhanced its multi-function real-time data recorder (RDR) to include audio data capture and playback. This will provide control centres monitoring air traffic or maritime vessels with an effective recording/replay solution for training and incident analysis.

The new audio interface for Cambridge Pixel's data recorder supports industry-standard audio capture and replay devices, supporting low-cost multi-channel audio record and replay. Audio may be received from a DirectShow device or as network RTP data containing PCM or MP3 payloads. Audio data may be replayed back onto the network or through the host PC's speaker/line out.

All data is recorded in a time-synchronised database to permit detailed review and visualisation of critical events. A significant event in the audio, for example, can easily be related to events in the radar or camera video, to cross-check what has happened

In a typical application, multiple channels of audio data can be captured and synchronised with the contents of computer screens recorded at full resolution. Subsequent review of the audio can then bring up the relevant computer screens that operators were viewing to enable a full situational assessment to be made.

Cambridge Pixel's RDR data recorder is fully configurable to record any number of channels of data. RDR captures, records and replays the industry's widest range of data types in a single recording product, including radar video and associated tracks, audio, camera video (including ONVIF cameras), computer screens, network data, as well as AIS, ADS-B, IFF and NMEA-0183 navigation data from ships and aircraft.

Steve Priest, RDR product manager, Cambridge Pixel, said: "With the addition of audio capture and replay, our multi-function data recorder will be an excellent choice for air traffic control centres, maritime security and naval radar applications.

"What is unique about RDR as a data recorder is the flexibility to record raw data and high-level information. The system can be configured to record camera, audio and radar sensor data, but also the operator user interfaces that are presenting this information and the related meta data."

Cambridge Pixel's RDR data recorder is available as a software application or as a fully configured recording sub-system in a 19" rack-mount unit. RDR may be configured as a background server application for trials or for continuous 24/7 recording. Alternatively, it may be used with a user-interface for selective recording and replay of events of interest.

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, Blighter Surveillance Systems, Exelis, Hanwha Systems, Kelvin Hughes, Lockheed Martin, Navtech Radar, Raytheon, Saab Sensis, Royal Thai Air Force, Sofresud and Tellumat.

For more information about Cambridge Pixel's multi-function RDR data recorder, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

Media photos:
www.cambridgepixel.com/news

Data sheet:
www.cambridgepixel.com/products/RDR-Radar-Data-Recorder/

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About Cambridge Pixel (www.cambridgepixel.com)
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.

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