

Cambridge Pixel Unveils HPx-400e Dual-stream PCI Express Radar Input Card

- *HPx-400e card provides two fully independent radar input channels to deliver multi-function capability: dual sampling of one radar at different sampling rates, dual redundancy, or dual stream capture of two separate radars*
- *HPx-400e accepts radar video, trigger and azimuth signals (ACP/ARP or parallel data) and supports a diverse range of commercial and military radar types*
- *Cambridge Pixel to showcase HPx-400e radar input card – alongside North American distributor, EIZO Rugged Solutions - at Navy League's Sea-Air-Space Expo 2017 (Stand 1021, UK pavilion), Maryland, USA from 3-5 April 2017*

CAMBRIDGE, United Kingdom, March 8, 2017 – Cambridge Pixel (www.cambridgepixel.com), an award-winning supplier of radar display, tracking and recording subsystems, has extended its range of primary radar input cards with the introduction of the dual-stream HPx-400e PCI Express radar acquisition card.

The new HPx-400e card features two fully independent radar input channels allowing the card to be used by integrators in three discrete ways – for dual sampling of one radar at different sampling rates, for dual redundancy, or for dual-stream capture of two separate radars.

Dual sampling of one radar at different rates provides the flexibility for high-resolution sampling at short-range to get maximum close-in detail and lower data rates at longer ranges to give maximum coverage. In dual redundant mode, the card can be programmed to automatically switch between two radar inputs in the event of loss of trigger, ACP or ARP signal. Alternatively, two connected radars can be processed independently using the HPx-400e thereby reducing the system card count.

David Johnson, CEO, Cambridge Pixel, commented: “The HPx-400e extends Cambridge Pixel’s radar interfacing product family with a versatile multi-channel, radar capture capability that offers many advanced features and supports a wide range of radar interfaces. The dual channel feature of the new card will be attractive for specialist radar applications requiring redundant operation or where there is a need to sample the input signal at two distinct data rates.”

The HPx-400e continues to provide the signature flexibility of Cambridge Pixel’s HPx-200 series cards with support for many different radar signal types, including differential and single-ended signals, selectable signal levels and input impedances.

The HPx-400e accepts radar video, trigger and azimuth signals in the form of ACP/ARP or parallel data. A wide variety of signal types and input voltages are supported, allowing connection to a diverse range of commercial and military radar types including those from Furuno, JRC, Kelvin Hughes, Koden, Raytheon, Sperry, Terma, as well as specialist military radars.

For developers, the HPx-400e card is available with a board support package, which provides a C++ programming interface and driver package for Windows and Linux. The card is supported in Cambridge Pixel's RadarView radar visualisation software and SPx Server software for target tracking and network distribution.

Cambridge Pixel's HPx-400e is part of a family of radar acquisition and processing components that provide system integrators with a powerful toolkit to build server and client display systems. The company'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 radar technology is used in naval, air traffic control, vessel traffic, commercial shipping, security, surveillance and airborne radar applications.

For more information about the HPx-400e or other products from Cambridge Pixel, 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 2017 (Stand 1021 in UK pavilion), Gaylord National Resort and Convention Center, Maryland, USA from 3-5 April 2017. The company will be showcasing its new HPx-400e card alongside its radar processing software, target tracker, and radar data recorder.

Media photo:

<http://www.cambridgepixel.com/news>

Datasheet/brochure:

<http://www.cambridgepixel.com/files/Datasheets/hpx400e.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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