Advanced Scientific Concepts Introduces the Peregrine 3D Flash LIDAR Vision System™

Santa Barbara, CA – May 6th, 2014 – Advanced Scientific Concepts Inc. (ASC), the leading supplier of 3D Flash LIDAR Vision Systems for terrestrial, aerial and space applications, announces its Peregrine 3D Flash LIDAR Vision System. Weighing in at 1 pound (445 grams), the Peregrine has no moving parts, is a 3D staring array [*i.e., not a scanning device*], time-of-flight LIDAR vision system using a Class I laser to illuminate the area in the camera's field-of-view.

Reflected laser light creates 3D point clouds of range and co-registered intensity data from a single laser pulse per frame for instant streaming from ASC's patented 3D focal plane. Available as 64x32 [2,048] or 128x32 [4,096] pixel aspect ratios cameras, various fields of view lenses are designed or provided to meet application requirements.

The 128x32–A Peregrine operates from 1 to 30 Hz. The 64x32 and 128x32–M models operate from 1 to 10 Hz. The Peregrine 3D cameras complement ASC's powerful TigerCub 3D vision systems for imaging longer ranges with more pixels. The Peregrine family can synchronize up to 8 cameras simultaneously on a per frame basis.

Designed for low power operations, Peregrines are perfect for applications from automotive to surveillance, from mining to aerial mapping, from autonomous vehicle operation to general time-dependent 3D video content creation. "The Peregrine is ASC's lightest weight 3D Flash LIDAR camera," said Roger Stettner, CEO of ASC. "With the ability to synchronize and stream data from multiple cameras in real-time, these important innovations enable new levels of functionality for autonomous applications."

ASC's Peregrine Cameras will be on display at SPIE DSS (Booth #549), May 6th –8th at the Baltimore Convention Center & AUVSI (Booth #223), May 13th–15th at the Orange County Convention Center (Orlando, FL).

About ASC:

Founded in 1987, based in Santa Barbara, California, Advanced Scientific Concepts, Inc. develops leading-edge 3D Flash LIDAR Vision Systems. ASC's industry proven technology provides the foundation for automated 3D applications from mobile vehicles in air, space or on the ground, to 3D videos for mapping, surveillance, games or movies. The real-time 3D video images and streams can be captured from 5cm to 5km with various fields of view. Visit www.asc3d.com for more information.

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