# Advanced Scientific Concepts, Inc. (ASC) Introduces the TigerCub 3D Flash LIDAR™ Camera with Zephyr Laser

**Washington D.C. – August 12, 2013 -** ASC, the leading supplier of 3D Flash LIDAR cameras for terrestrial, aerial and space applications, proudly announces the release of its lightweight TigerCub 3D camera and Zephyr Laser. The TigerCub camera streams real-time 3D range and intensity data, day and night, through dust, fog, smoke using the eye-safe 1570nm wavelength Zephyr laser for illumination. This non-mechanical 3D camera-laser solution is an extension of ASC's existing TigerEye family of products and features a major reduction in size and weight with increased product robustness.

Target 3D applications include aerial mapping, autonomous aerial refueling, aerial landing, automotive, autonomous navigation, collision avoidance, surveillance, firefighting and situational awareness.

TigerCub / Zephyr Laser 3D Flash LIDAR Specifications include:

- Sensor Engine: 128 x 128 focal plane array (InGaAs + CMOS)
- 1.57um laser wavelength (1570nm)
- Bayonet mount for lenses (60°, 45°, 30°, 8.6°, 3° currently available)
- Operations up to 20 Hz (30 Hz possible)
- Dimensions (without lens): 11cm x 10cm x 12cm
- Weight: 1.38kg (<3lbs)
- Power Supply/Operation 24 VDC, 15 watts
- Supported Interfaces: Ethernet, CameraLink

"The TigerCub with Zephyr laser represents an extension of ASC's industry-proven family of 3D Flash LIDAR cameras. It breaks the lightweight barrier (<3lbs) for non-mechanical 3D Flash LIDAR cameras", said Thomas Laux, Vice President of Business Development for Advanced Scientific Concepts, Inc. "The TigerCub is ideal for aerial or ground applications requiring small-3D cameras that output real-time point cloud without motion distortion. All data processing, range and co-registered intensity data is calculated on camera, invaluable for many applications."

ASC's TigerCub 3D Flash LIDAR Camera with Zephyr laser will be on display at the AUVSI show in Washington, DC, booth #4412, August 12-15, 2013.

**About ASC:**

Founded in 1987 and based in Santa Barbara, California, Advanced Scientific Concepts, Inc. develops leading-edge 3D sensors technology and cameras. With a wide range of customers from NASA to DoD to commercial companies, 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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