

PRODUCT SHOWCASE

GEOCONNEXION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

1 GARMIN INTRODUCES VIRB ULTRA 30 AVIATION IN-COCKPIT BUNDLE

Garmin has announced an aviation-specific addition to the **VIRB Ultra 30** action camera family, offering several new accessories tailored to capturing rich, high definition footage in-flight. VIRB Ultra 30 is a waterproof action camera with the power to shoot stunning Ultra HD footage at 4K/30fps. The VIRB Ultra 30 contains a suite of new features, including voice control, an intuitive LCD color touchscreen and one-touch live streaming. Built-in 3-axis stabilization and enhanced connectivity with a variety of Garmin products combine to provide pilots with a premier action camera tailored to capturing superior in-flight footage. The VIRB Ultra 30 aviation in-cockpit bundle includes a stereo headset audio cable, so pilot-to-pilot communications and air traffic control transmissions may be embedded within the video. A prop filter is also provided to eliminate propeller distortion created while filming video in-flight or capturing high quality still photos. www.garmin.com/aviation

2 SEPTENTRIO DELIVERS POLARX5 GNSS REFERENCE RECEIVERS TO U.S. GEOLOGICAL SURVEY

Septentrio has completed delivery of **PolarRx5** multi-constellation GNSS reference receivers and antenna systems to the **U.S. Geological Survey** (USGS). The monitoring systems will be deployed through the Volcano Hazards Program (VHP) for volcano monitoring stations in Alaska and at various international locations through the Volcano Disaster Assistance Program (VDAP). The PolarRx5 receivers take full advantage of the new 5.1.0 firmware which includes support for on-board PPP and dynamic response tuned for seismic applications. The PolarRx5 tracks all visible signals from Galileo, GPS, GLONASS, BeiDou, IRNSS and QZSS constellations. It provides industry-leading measurement quality and robust interference mitigation thanks to Septentrio's patented AIM+ technology. The PolarRx5 supports these advanced features and more with a power consumption that is scalable from less than 2.0 watts. www.septentrio.com

3 NEW HANDHELD GPS DATA COLLECTOR FROM GENEQ

Geneq Inc. has announced the **SXPad 1000P**, a feature-packed, rugged handheld GPS data collector. The SXPad 1000P is specifically designed for mobile GIS users in applications ranging from water/electric and gas utilities; transportation; mining; agriculture; and forestry. The high-performance 1000-MHz device is designed to give professionals the power needed to work with maps and large data sets in the field. Its waterproof seal and surviving 1.5-metre drops to concrete make the SXPad 1000P ideal for the outdoors. Its 3.7-inch color touchscreen (full VGA) is sharp and is sunlight readable. Standard features include a battery life of more than 10 hours on a charge, 8-GB internal storage, slots for MicroSD cards and SIM cards as well as Windows Mobile 6.5. The SXPad 1000P offers features typically seen in more costly mobile devices, including 3.5G cellular modem, Wi-Fi, Bluetooth, video capture, a 5-megapixel camera and an internal GPS receiver. www.geneq.com

4 QUANERGY S3, THE WORLD'S FIRST AFFORDABLE SOLID STATE LIDAR SENSOR

Quanergy Systems, Inc. will begin production and delivery of its revolutionary **S3 LiDAR** system for numerous markets in 2017. The S3 is the world's first and only automotive-grade solid state LiDAR system, and the clear industry leader in cost, capability, and reliability. The manufacturing and commercial availability of S3 marks a critical step in accelerating innovation in advanced driver assistance systems (ADAS) and autonomous vehicle (AV) systems. 80% of transportation accidents are potentially avoidable with the integration of affordable LiDAR sensor solutions. The commercial availability of S3 LiDAR will also advance application development in areas as diverse as industrial automation, robotics, drones, security, smart home, and Internet of Things (IoT). "The S3 is the only product that can satisfy this demand and deliver true solid state 3D sensing at a reasonable price," said **Dr. Louay Eldada, Chief Executive Officer, Quanergy Systems, Inc.** www.quanergy.com

