

# New Leica ADS100 Airborne Digital Sensor



Leica Geosystems has announced the new generation of its leading airborne digital sensor, the Leica ADS100. Introducing a focal plate design, the Leica ADS100 offers a swath width of 20,000 pixels for all multispectral bands (RGBN) and multispectral capability in forward, nadir and backward.

The Leica ADS100 provides a large-format CCD line with TDI (Time Delay and Integration) to increase sensitivity despite a smaller pixel size. By doubling the cycle rate, high-resolution images can now be acquired at much higher ground speeds. To provide the best stabilisation performance, the new Leica PAV100 gyro-stabilised mount is equipped with adaptive control technology. In addition to the Leica PAV100, the Leica ADS100 shares all aircraft installation components such as camera controller, operator

displays and flight control software with the Leica RCD30 medium format camera, realising a common platform concept.

Ruedi Wagner, vice-president of Imaging Geospatial Solutions, explained that customers will be pleased with this development for several reasons. The current Leica ADS80 has been proven to be one of the most reliable airborne sensors on the market. Its combination of superior hardware design and dedicated workflow have led to record sales in 2012. With the Leica ADS100, the company has seen doubling productivity while maintaining reliability and highly automated workflows, he added.

By introducing the common platform concept using a unified aircraft installation and shared peripherals between the Leica ADS100 and the Leica RCD30, the company is both simplifying operation and significantly reducing cost of ownership across its sensor portfolio. According to Leica Geosystems, it can now offer its cost-effective upgrade path to both existing ADS and RCD30 standalone customers.

The new Leica ADS100 airborne digital sensor together with Leica XPro 6.0 will be released and shipped from Q2 of 2013. For further enquiries please go to <http://di.leica-geosystems.com>.