

Fully Integrated Large-format Frame Camera for Airborne Operations



Leica Geosystems has announced that its new Z/I DMC IIe large-format frame camera series can be operated fully integrated inside a Leica Geosystems aircraft installation. The Z/I DMC IIe is based on the proven sensor design of the Z/I DMC II using large-format single CCD technology and includes integrated Novatel GNSS/IMU technology. It offers increased airborne storage of 4.8 TByte using four Leica MM30 SSD storage modules, supports the Leica PAV100 stabilised mount and has an integrated Leica FlightPro sensor management system.

Today's airborne mapping environment requires flexible aircraft installation and standardised sensor operation. The new Z/I DMC IIe is now fully integrated in Leica Geosystems' peripheral components fulfilling the next step in Hexagon's unified aircraft

installation strategy.

Incorporating standardised components into the Z/I DMC IIe that are used across the entire product portfolio increases system reliability and reduces cost for customers, commented Klaus Neumann, Product Manager for sensor systems at Z/I Imaging. In addition, the Z/I DMC IIe saves space for aircraft installation and has reduced weight which saves aircraft fuel. This also saves training costs for customers and simplifies all processes for sensor operation, said Neumann. Mapping projects are getting more and more demanding concerning turnaround time, project cost and product quality. Being able to integrate the Z/I DMC IIe into existing Leica Geosystems installations will help customers to stay competitive.

Features and enhancements included with Z/I DMC IIe:

- Integrated Leica FlightPro: providing automatic flight management and sensor management. The software is compatible to all Leica Geosystems and Z/I Imaging airborne sensors.
- Integrated Novatel GNSS/IMU system: includes IMU with class 5 accuracy and newest dual frequency GNSS receiver technology
- Leica MM30 SSD storage: latest SSD storage technology providing 4.8 TByte of airborne disk space, small, lightweight and at reduced cost.
- Leica PAV 100 mount support: precise sensor stabilisation for superior image quality. The PAV100 can be controlled by an external IMU for maximum stability.

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