

NEW



Leica DMC III  
Airborne Mapping Solution.  
Breaking new ground. Always.

# The Leica DMC III – everything you asked for

## We hear you!

### Our customers say:

- "The key driver to efficiently acquire airborne imagery over large areas is ground coverage or footprint."
- "We need the most efficient workflow."
- "Of course, we are not giving up on image quality or geometric accuracy."

Too much to ask? We don't think so.

## The new Leica DMC III – breaking new ground

The new Leica DMC III airborne mapping solution is breaking new ground by combining the world's largest single frame camera with the most efficient workflow. Based on an all new CMOS sensor specifically engineered for airborne applications, the new Leica DMC III airborne camera offers the world's largest swath generated by a single frame: pure and simple, 25,728 pixels across swath. That is 25% more area performance than the closest competitor. Due to the revolutionary forward motion compensation design, this solution delivers unprecedented image quality and the unsurpassed geometric accuracy of a monolithic sensor.

Introducing HxMap RealWorld, Leica Geosystems offers the most innovative and intuitive processing environment to support fast and efficient processing of eventually all our airborne sensors. Now available, HxMap Enabler & Provider for Leica DMC IIe and DMC III offers project management, QC view, radiometric tools and distributed processing for even the largest data sets.

With the new Leica DMC III airborne mapping solution Leica Geosystems is giving you all you ever asked for, and is proving once more what it means to be the world's leading airborne solutions provider: Breaking new ground. Always.

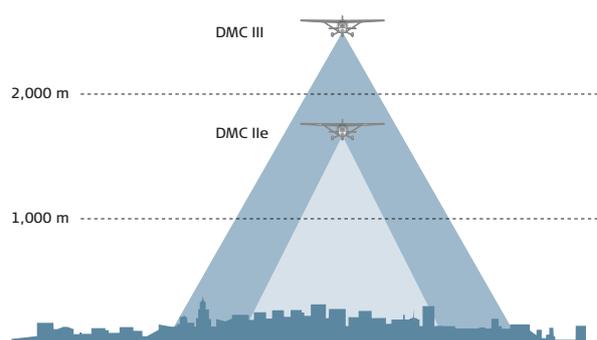
## User benefits:

The Leica DMC III is the first large format frame camera using CMOS sensor technology, thus reaching beyond the limitations of traditional CCD technology. Users benefit from:

- Reduced data acquisition cost due to increased sensor size/area performance
- Capturing more information with 100% increase in dynamic range

- Never before achieved image quality because of less image noise and almost zero blooming
- Integrated workflow, from mission planning to post processing

The Leica DMC III has an embedded flight management and GNSS/IMU system. Customised optics and a class 5 IMU provides highest geometric accuracy.



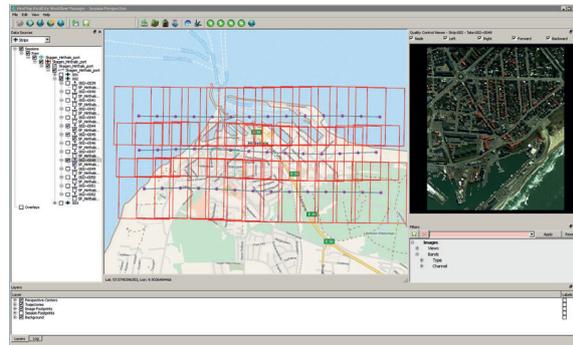
Leica DMC IIe 230 compared to DMC III

Leica DMC III	
Pixel size	3.9 µm CMOS sensor
Sensor size	25,728 pixel (across flight line) x 14,592 pixel (in flight direction)
Forward motion compensation	integrated, mechanical
Field of view	57° across flight line
Focal length	92 mm
Swath width	2,500 m at 10 cm GSD
Ground resolution	5 cm GSD at 1,180 m AGL
Ground speed	162 kts at 6 cm GSD and 80% forward overlap
On board storage	6.4 TByte to store up to 5,800 images

# High productivity = Leica DMC III + HxMap RealWorld

A simple equation: To be a No. 1, the most efficient camera relies on the most efficient data processing. Based on the acclaimed Leica XPro processing suite, Leica Geosystems is introducing HxMap RealWorld, a new and intuitive common data processing platform to support all sensors in the world's most comprehensive airborne mapping portfolio. Now available, HxMap Enabler &

Provider for Leica DMC IIe and DMC III offers state-of-the-art project management, radiometric tools and production tools for efficient processing of even the largest blocks.



<b>HxMap RealWorld Enabler</b>	Workflow Manager
<b>HxMap RealWorld Provider</b>	Ingest, Raw QC
<b>HxMap RealWorld Core</b>	APM, Triangulation, InfoCloud, Ortho Generator, Ortho Mosaic
<b>HxMap RealCity 3D Modeller</b>	CityModeller, TextureMapper, 3D Editor
<b>HxMap RealCity 3D Presenter</b>	3D Viewer, Geospatial Portal
<b>Optional:</b>	
<b>HxMap RealCity Stereo Mapping</b>	Photogrammetry Workstation
<b>HxMap RealCity 3D Modeller</b>	BuildingFinder, 3D Mesh
<b>HxMap RealCity 3D SDK</b>	HxMap SDK

For detailed release schedule contact your sales representative.

## Cost savings through common platform

Leica Geosystems is the only provider with common system peripherals. Users can share components for flexible aircraft installation with all Leica Geosystems airborne sensors providing technological synergies, reduced training requirements, ease-of-use and, most importantly, significant cost savings across all systems.

## Compatibility – upgrade path from Leica DMC II to DMC III

Leica Geosystems respects your investment. To benefit existing customers, upgrades are available from Leica DMC II or DMC IIe to DMC III. Based on the modular common platform concept, both systems share sensor architecture, optics and compatible workflow, making upgrades easy. To improve data acquisition efficiency by more than 40%, please contact your sales representative.

## Active Customer Care

Leica Geosystems cares about its customers throughout the product life cycle. We continuously improve the quality of our training and support services to exceed the expectations of our customers. With CCPs (Customer Care Packages), Leica Geosystems provides worldwide customised

services from phone support and software upgrades to worldwide on-site repair and loaner systems. Please contact your local sales representative to learn more about how you can benefit from our world class support network.

## Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for valuable products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

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**Leica MissionPro**  
Mission Planning  
Software



**Leica FlightPro**  
Make every flight  
a success



**Leica PAV100**  
Gyro-stabilised  
Sensor Mount



**The Leica ADS100**  
Airborne Digital Sensor  
Airborne Evolution