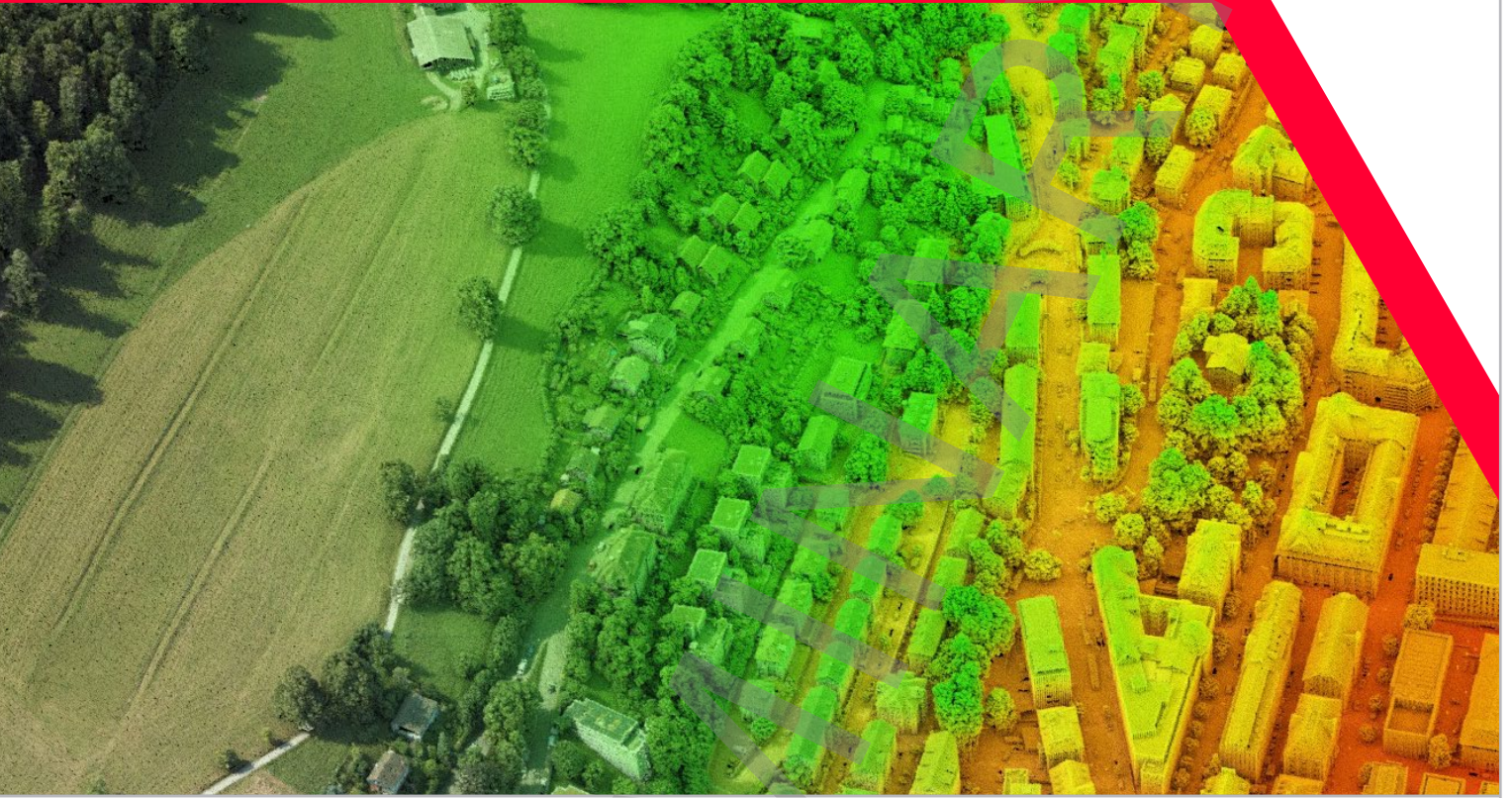




Leica MultiMapper airborne hybrid system

Carry, fly, deliver

Weighing less than 25 kilos, MultiMapper is designed for easy installation, handling and transport. Compact and portable, it can be deployed on helicopters or light fixed-wing aircraft, allowing mission completion within a single day even in the most challenging environments.

Endless applications

From corridor mapping to city modelling, and post-event assessment, MultiMapper supports diverse missions. Thanks to hybrid LiDAR and imagery configuration, the system delivers robust, timely data for both routine and time-critical mapping projects.

Workflow intelligence

Seamlessly integrated with Leica Geosystems workflow, MultiMapper streamlines operations from mission planning to data delivery. New Leica AirPro FIELD app allows flight crews to control sensor in-flight, monitor flight paths, check data quality, and review mission parameters on the go.



Leica MultiMapper

Sensor Pod	
Nadir - S Mode	13024 x 5040 pixels, RGBN
	43°
Nadir - W Mode	20000 x 4320 pixels, RGBN
	66°
Oblique - forward/backward	8704 x 4480 pixels, RGB
Oblique - left/right	7040 x 4480 pixels, RGB
RGB:NIR ratio (nadir)	nominal 1:2
Operating altitude	up to 1200 m AGL
Frame rate	Up to 3 frames per second
Dimension	Height: 34 cm Length: 53 cm Width: 36 cm
Weight	Less than 25 kg including eFrame
Integrated GNSS/IMU System	
GNSS/IMU	NovAtel OEM7700-FFN-RNN-TVE-P1 (or -P2) SPAN OEM7, 555 channel multi constellation receiver with 10 Hz GNSS data rate
Additional features	Real-time deeply coupled solution for position and attitude at highest accuracies Fully integrated and embedded solution
Imaging Specifications	
Sensor type	BSI CMOS
AD Conversion	12 bit
Motion compensation	2-axis, mechanical
LiDAR Specifications	
Field of view	10 to 58°
Scan speed	50 - 150 Hz
Scan pattern	Circle scanning Ellipse scanning
Pulse repetition frequency	Up to 2.0 MHz (height dependent)
Laser divergence	0.16 mrad (1/e) nominal 0.22 mrad (1/e²) nominal
Laser wavelength	1052 nm
Laser classification	Class 3B
Peripherals	
Mass memory	3 x 8 TB, SSD
Operator display	Apple tablet iPad Pro 11-inch or 13-inch (M4) or later recommended
Environmental	
Pressure	up to 4000 m MSL
Electrical	
Fuse on aircraft power outlet	10 A at 28 V recommended
System Weight	
System installation	< 35 kg (complete system)
Software	
AirPro FIELD	Available from Apple Store
AirPro OFFICE	Windows 11