Leica DMC III
Breaking new ground. Always.

+25,000 PIXELS

World’s largest swath

Based on the all-new CMOS sensor, specifically engineered for airborne applications, the Leica DMC III mapping solution is breaking new ground. With the most efficient workflow available, this camera offers the world’s largest swath generated by a single frame capturing 25,000+ pixels across.

CMOS

Revolutionary CMOS technology

The Leica DMC III is the first large format camera using CMOS sensor technology reaching beyond the limitations of traditional CCD technology. The sensor captures more information with 100% increase in dynamic range and unsurpassed image quality thanks to less image noise and almost zero blooming.

Most efficient & intuitive workflow

The intuitive common data processing platform RealWorld features a simple yet powerful workspace that allows the user to easily manage even the largest data sets. Starting from data download, raw QC to basic data management, it guides you through the sensor-specific processing steps.

- when it has to be right

Leica Geosystems
Leica DMC III product specifications

**PAN**

- **Pixel across track**: 25,728
- **Pixel along track**: 14,592
- **FoV across track**: 57.2°
- **FoV along track**: 34.4°
- **Focal length**: 92 mm
- **Pixel size**: 3.9 μm
- **GSD@500m**: 2.1 cm

**MS**

- **Pixel across track**: 8,956
- **Pixel along track**: 6,708
- **FoV across track**: 61.7°
- **FoV along track**: 48.2°
- **Focal length**: 45.0 mm
- **Pixel size**: 6.0 μm
- **GSD@500m**: 6.7 cm

**GENERAL**

- **B/H**: 0.25
- **Number of camera heads**: 5
- **PAN: colour resolution**: 1 : 3.1
- **Frame rate**: 1.9 sec
- **Colour channels**: R,G,B, NIR
- **Resolution per pixel**: 14-bit
- **FMC, mechanical**: Yes
- **Dynamic range (CMOS)**: 78 dB
- **Onboard storage**: 9.6 TB to store up to 7900 images
- **Weight**: 63 kg
- **Power consumption**: 280 W, camera incl. MM30 storage modules
- **Altitude non pressurised**: 25,000 ft (7,620 m)
- **Operating temperature**
  - Camera control electronic: 0 °C to +40 °C, upper part
  - - 20 °C to + 40 °C, lower part

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