

# High quality - high resolution, rapid revisit, wide area coverage EO data service

[www.dmcii.com](http://www.dmcii.com)

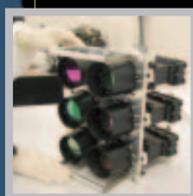


DMC International Imaging Ltd. (DMCii) provides a fully operational high resolution Earth Observation service for commercial, scientific and humanitarian imaging programmes. DMCii coordinates the international data acquisition programme of the Disaster Monitoring Constellation (DMC) and manages process development and the regular quality control programme.

## Data characteristics

- 32 metre ground sample distance
- 600 km swath
- Image up to 250km along track
- Red, Green, NIR spectral bands
- Daily revisit capability

## The SLIM-6 sensor



The SLIM-6 sensor uses Eastman Kodak KL10203 Linear CCD 10224 pixel arrays, Schneider Apo-Componon HM 150mm, f/6.3 lenses, and Landsat equivalent filters from Barr Associates. The two banks of lenses combine to provide the 600km swath.

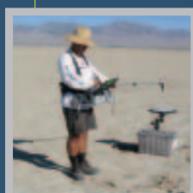
## The constellation



The Disaster Monitoring Constellation is designed to provide high resolution multispectral daily revisit capability anywhere in the world. The low cost DMC 90kg satellites were designed and built by Surrey Satellite Technology Ltd, UK. Four of the satellites carry the SLIM6 sensor.

Each satellite is owned by a different nation, including the UK, Algeria, Nigeria, Turkey and China. The DMC Consortium works with DMCii through the integrated Mission Planning System to carry out coordinated operational imaging programmes.

## Radiometry



DMCii processes a fully radiometrically corrected data product. DMCii carries out an annual vicarious absolute ground calibration campaign with the University of Arizona on the Rail Road Valley test site in Nevada. Campaigns in July 2004 and August 2005.

Monthly relative calibration images are acquired over Arctic or Antarctic test sites, and the Pacific at night. No significant change has been noted in DMC sensor performance. Full documentation is available.

## Geometry



DMCii offers a Precision Manual Orthorectification Service. The L1T product is orthorectified to sub-pixel level (RMS <25metres) with respect to standard global reference data, Landsat ETM+ and the GLOBE DEM. DMCii can also work with your own ground control points and digital elevation models.

## Ordering DMC Data Programmed data



DMCii can programme multiple data acquisitions over your specified Area of Interest (AoI). We schedule at least three repeat coverages of the AoI to reduce the impact of cloud cover within a short Imaging Window period.

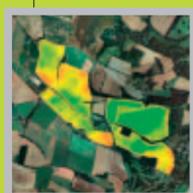
## Archive Data



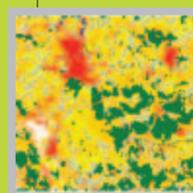
Data can be purchased from the DMCii archive. The catalogue will soon be on-line.

## Applications

DMC data is actively used in a wide range of international commercial and government applications that benefit from the combination of high resolution, rapid revisit, spectral bands and coverage.



Precision Agriculture



Land cover mapping



Illicit crops



Illegal logging



Burn scar maps



## Disaster Response

The daily imaging capability of the Disaster Monitoring Constellation is contributed to humanitarian relief efforts through the International Charter, Space & Major Disasters. DMCii acts as 24-hour Emergency On-Call Officer, and tasks all the satellites of the Charter in response to the Activation calls.