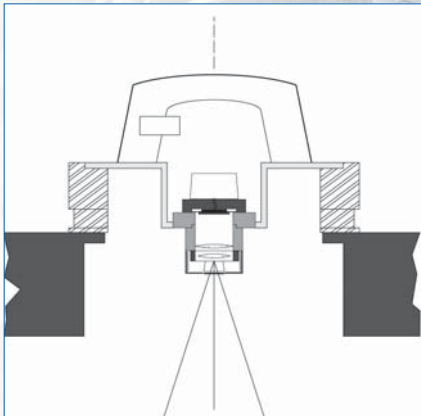


DiMACULTRALiGHT

7,200 x 5,400 pixels

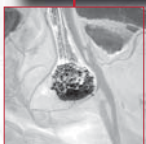
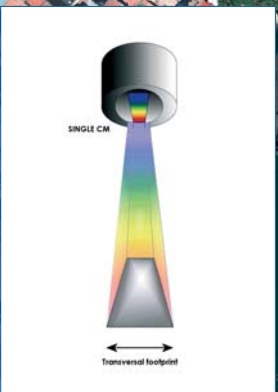


a compact form factor
with medium footprint
including FMC capacity
for both mapping and ortho

The DiMACULTRALIGHT is the smallest of the DiMAC product family and consists of just a single Camera Module that captures a footprint of 7,200 pixels across by 5,400 pixels along the flight line.

Like no other medium footprint digital aerial camera, the DiMACULTRALIGHT provides accuracy and clarity that can only be obtained through forward motion compensation. In addition to the patented True FMC, the DiMACULTRALIGHT features DiMAC's True Color acquisition and can be configured with a range of lens and filter options.

The DiMACULTRALIGHT is mounted on a scaled down gyro-stabilized platform that can fit smaller-than-normal aircraft camera ports. System control and data storage is provided by an unobtrusive IT Cube (ITC) making the overall system size and power requirements among the smallest in the industry.



The DiMACULTRALIGHT Camera Module is fully calibrated, geometrically and radiometrically, and can be used for both photogrammetric and orthophoto applications. The DiMACULTRALIGHT benefits from the same proven calibration methodology as other DiMAC products.

The DiMACULTRALIGHT is a very low cost solution offering the superior sharpness and accuracy of DiMAC's True FMC and True Color imagery within a scaled down package, ideal for small and medium scale mapping and orthophoto projects.

- TRUE COLOR
- TRUE FMC
- UPGRADEABLE
- MODULAR
- COST EFFECTIVE

DiMAC
DIGITAL MODULAR AERIAL CAMERA



www.dimacsystems.com • info@dimacsystems.com



DiMAC**ULTRALIGHT**

specifications *

Camera Module (CM)

<i>Area sensor</i>	Kodak full-frame CCD color image sensor 7,216 x 5,412 pixels (effective) 6.8 μm^2 pixels 49.1 x 36.8 mm (effective)
<i>True FMC</i>	Electro-mechanical driven by Piezo technology
<i>Lenses</i>	55mm/80mm/120mm
<i>Shutter</i>	Electro-mechanical iris mechanism 1/125 to 1/500 sec., f-stops: 4, 5.6, 8, 11, 16
<i>Filter</i>	Standard size RGB and IRC removable filters
<i>Image output</i>	7,216 x 5,412 pixels 8 or 16 bits per channel 24 bit RGB: 112 MB 48 bit RGB: 224 MB
<i>Capture rate</i>	2.5 sec.
<i>Resolution (GSD)</i>	2 cm to 1 m / <1 inch to 3.3 feet

Gyro-stabilized platform

SSM150 - electro-mechanical stabilization

IT Cube (ITC)

Control & acquisition computers

PC/104 RoHS-compliant small form factor embedded computers with:
Intel® Core™ Duo LV2400 CPU, 1GB RAM
4GB flash disk local storage
IEEE 1394 fire wire interface

Removable storage units

500 GB pressurized hard drives - 10,000 images

Dimension

H x W x D: 25 x 25 x 25 cm / 10 x 10 x 10 in

Weight

7.5 kg / 17 lbs

VDC

24-28 V

DCA

5 A

Image Processing Software

CaptureOne

Radiometric control and format conversion
TIFF or JPEG

* Specifications subject to changes without prior notice