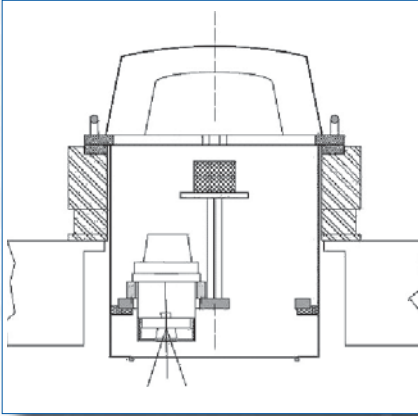


DiMACLiGHT

7,200 x 5,400 pixels



a medium footprint
in a full size form factor
with upgradeable
imaging capacity
for both mapping and ortho

The DiMACLiGHT is our medium format digital aerial camera that captures a footprint of 7,200 pixels across by 5,400 pixels along the flight line by using a single Camera Module. This model is easily upgradeable to the large format DiMACWiDE.

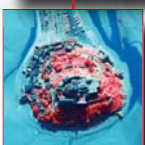
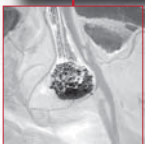
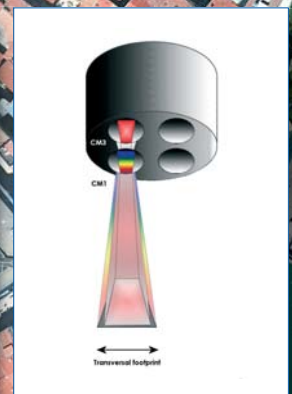
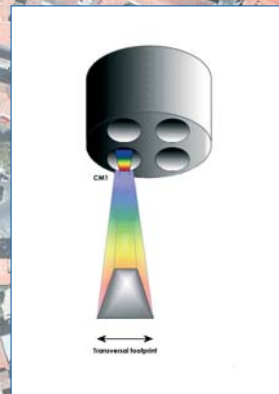
The DiMACLiGHT is mounted in the same enclosure (CCF) and employs the same control system (ITR) as the DiMACWiDE. This ensures an easy and cost-effective upgrade path to large format image acquisition capacity.

The DiMACLiGHT Camera Module is fully calibrated for photogrammetric applications and can be equipped with different lenses to meet different project requirements.

Like every product manufactured by DiMAC Systems, the DiMACLiGHT incorporates all of the essential requirements for a professional digital aerial camera, built around the core DiMAC benefits of True FMC and True Color acquisition within a modular, upgradeable architecture.

The DiMACLiGHT may be configured to simultaneously acquire color and near infrared images. This configuration requires using two Camera Modules of the same lens type to simultaneously capture the same area in both RGB and NIR.

The DiMACLiGHT is the perfect solution for companies seeking to invest in digital camera technology today with the opportunity to upgrade to a large format system in the future.



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

DiMAC
DIGITAL MODULAR AERIAL CAMERA



www.dimacsystems.com • info@dimacsystems.com



DiMACLiGHT

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

Camera Cylindrical Frame (CCF)

<i>Composition</i>	Carbon fiber with thermal & vibrational isolation
<i>Diameter</i>	40 cm / 15.75 in
<i>Weight</i>	45 kg / 100 lbs (including CMs)

IT Rack (ITR)

<i>Control & acquisition computers</i>	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
<i>Removable storage units</i>	500 GB pressurized hard drives - 10,000 images
<i>Dimension</i>	H x W x D: 44 x 27 x 36 cm / 17 x 11 x 14 in
<i>Weight</i>	30 kg / 66 lbs
<i>VDC</i>	24-28 V
<i>DCA</i>	8 to 12 A

Image Processing Software

<i>CaptureOne</i>	Radiometric control and format conversion TIFF or JPEG
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* Specifications subject to changes without prior notice

