



DRAGONFLY
a e r o s p a c e

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CHAMELEON IMAGER



Spatial Resolution (GSD) at 500 km

Swath at 500 km

Mass

Spectral Bands

Satellite Bus Size

Physical Size

Data Format

Mass Storage

Compression

Data Interface

TMTC Interface

Power Usage

Power Supply

Operating Temperature

Survival Temperature

TRL

SWIR

RAW 8.7m

11.2 km

1.6 kg

4 x SWIR Bands (1000–1750 nm)

Compatible with 6U

2.5 U (100 x 100 x 215 mm with rear-mounted nCCM)

8-bit or 10-bit

128 Gigabytes

RAW or J2K lossless or lossy

LVDS, SpaceWire

SPI, I²C, CAN, RS422, RS485

Imaging mode <7 W (est), Readout mode <5 W

5V DC

+10°C to +30°C

-20°C to +55°C

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ABOUT DRAGONFLY AEROSPACE

Dragonfly Aerospace is an industry leader in world-class, high-performance imaging satellites and payloads. Our turnkey solutions for imaging satellites gets these strategic assets operational on orbit with the minimum time, cost and risk. Our imaging solutions enable our customers to create persistent views of the Earth in a wide range of spectrums for unprecedented business intelligence that helps improve the lives of people around the world.