



# CHAMELEON IMAGER



|                                    | RGB                                      | MULTISPECTRAL      | HYPERSPECTRAL     |
|------------------------------------|------------------------------------------|--------------------|-------------------|
| Spatial Resolution (GSD) at 500 km | 10 m                                     | PAN 10 m / MS 20 m |                   |
| Swath at 500 km                    | 39 km                                    | 39 km              | 20 km             |
| Mass (incl. electronics)           | 1.6 kg                                   | 1.6 kg             | 1.6 kg            |
| Spectral Bands                     | Standard RGB                             | 11 x MS            | 96 x HS available |
| Imager Type                        | Snap shot                                | Push broom         |                   |
| Physical Size                      | 2.5U (100 mm x 100 mm x 215 mm)          |                    |                   |
| Data Format                        | 8-bit or 10-bit                          | 10-bit or 12-bit   | 8-bit or 10-bit   |
| Integrated Mass Data Storage       | 128 Gigabytes                            |                    |                   |
| Compression                        | RAW or J2K lossless or lossy             |                    |                   |
| Data Interface                     | LVDS, SpaceWire                          |                    |                   |
| TMTC Interface                     | SPI, I <sup>2</sup> C, CAN, RS422, RS485 |                    |                   |
| Power Usage                        | Imaging mode <10 W, Readout mode <5 W    |                    |                   |
| Power Supply                       | 5V                                       |                    |                   |
| Operating Temperature              | +10°C to +30°C                           |                    |                   |
| Survival Temperature               | -20°C to +55°C                           |                    |                   |
| TRL                                | 9                                        |                    |                   |

## ABOUT DRAGONFLY AEROSPACE

Dragonfly Aerospace is an industry leader in world-class, high-performance imaging satellites and payloads. Our turnkey solutions for imaging satellites get 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.