



# MANTIS IMAGER



	RGB	MULTISPECTRAL	HYPERSPECTRAL
Spatial Resolution (GSD) at 500 km	16 m	PAN 16 m MS 32 m	
Swath at 500 km	32 km	32 km	32 km
Mass (incl. electronics)	<0.5 kg	<0.5 kg	<0.5 kg
Spectral Bands	Standard RGB	6 x MS	96 x HS available
Imager Type	Snap shot	Push broom	Push broom
Physical Size	1U (65 mm x 90 mm x 107 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 <6 W, Readout mode <4 W		
Power Supply	5V DC		
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.