



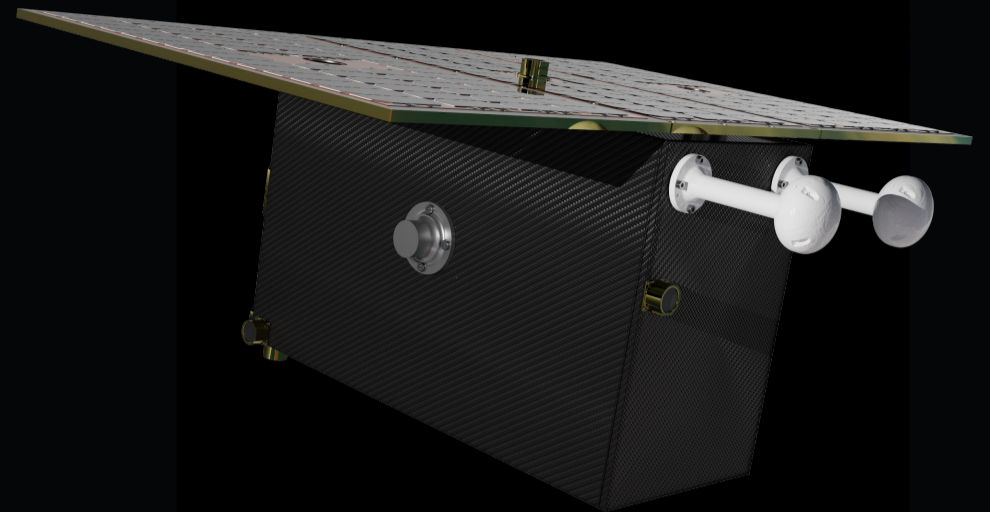
DRAGONFLY
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η DRAGONFLY BUS



Attitude and Orbit Control

Pointing Control Stability	< 0.005°/sec (3-sigma)
Pointing Control Accuracy	< 0.01° (3-sigma)
Slew Rate	Up to 12°/sec
Geolocation Knowledge Accuracy	120 m (3-sigma)
Control Frequency	10 Hz
Fully Automated AOCS	Through target tracking
Xenon Electric Propulsion System	11mN thrust, 1400s lsp

Electrical Power System

Solar Array Peak Power	113–197 W
Orbit Average Power (OAP)	71–125 W
Peak Power	1.2 kW
Bus Voltage	24.3V – 32.4V (unregulated)

Communications

S-Band TMTC	400 kbps down, 150 kbps up
X-Band Data Downlink	2.5 Gbps (Peak)

Payload

Available Mass	Up to 50 kg
Available Volume	200 x 200 x 350 mm
Available OAP	20–70 W

Electrical Interfaces

TMTC	CANBus, RS422/RS485
Data	LVDS / SpaceWire / SerDes
Optional High-Speed Data Recorder (HSDR)	1 TB

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.