

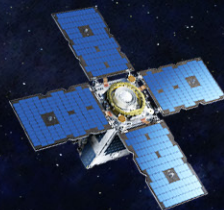
GA-150



TSIS-2



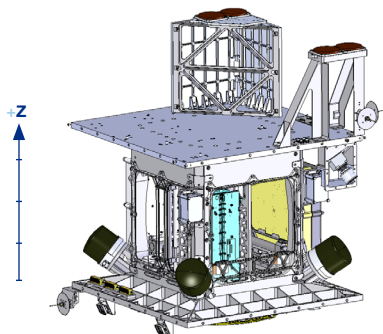
GAzelle



OTB

GA-150

- Resilient, modular, and configurable ESPA bus design supporting a variety of Comms and ISR missions
- Customizable to operate over a wide range of orbits (including all inclinations) and compatible with multiple launch vehicles
- Utilizes standard payload interfaces to enable seamless payload integration and mission-ready delivery times



Compact satellite design exceeds prototype and residual ops requirements and conforms to small payload launch vehicle envelope

SPACESYSTEMS.INFO@GA.COM

	PARAMETER	VALUE
SPACECRAFT (S/V) CAPABILITY	Orbit	LEO (400-1000 km), all Inclinations (Configurable for other orbits)
	Mass (Basic/Launch)	Up to 100 kg/150 kg
	Volume	ESPA-compatible (Configurable for other launches)
	Mission/Program	TSIS-2, GAzelle, OTB
	Launch Vehicle Compatibility	Falcon 9, Electron, Alpha (Others as required)
	Design Life	3-10 years
	Stabilization	3-axis, 0.03 deg, 3σ
	Voltage	28 V +/- 6 Vdc
	Telemetry, Tracking & Command Rate	S-band, Up to 38 kbps uplink, 2 Mbps downlink
	Mission Data Rate	X-band, Up to 300 Mbps
	On-board Storage	>8 Gbytes, Additional storage options available
PAYLOAD (P/L) ACCOMMODATION CAPABILITY	Propulsion	Xenon Hall, Traditional Hydrazine, Butane (Electric and green options available)
	Mass	Up to 50 kg
	OAP/Peak	Up to 180 W/300 W (Customizable for mission needs)
	Volume	Variable up to ~100 cubic centimeters
	Field of Regard/View	Hemispherical unobstructed FoV
	Mission Data Handling	Up to 300 Mbps from P/L to S/V
	Command/Data Interface	Digital Mission/Analog Health & Status
	Thermal Control	Up to 5 bus-controlled heater switches
	Heat Rejection	Up to 240 W (Configurable, P/L dependent)