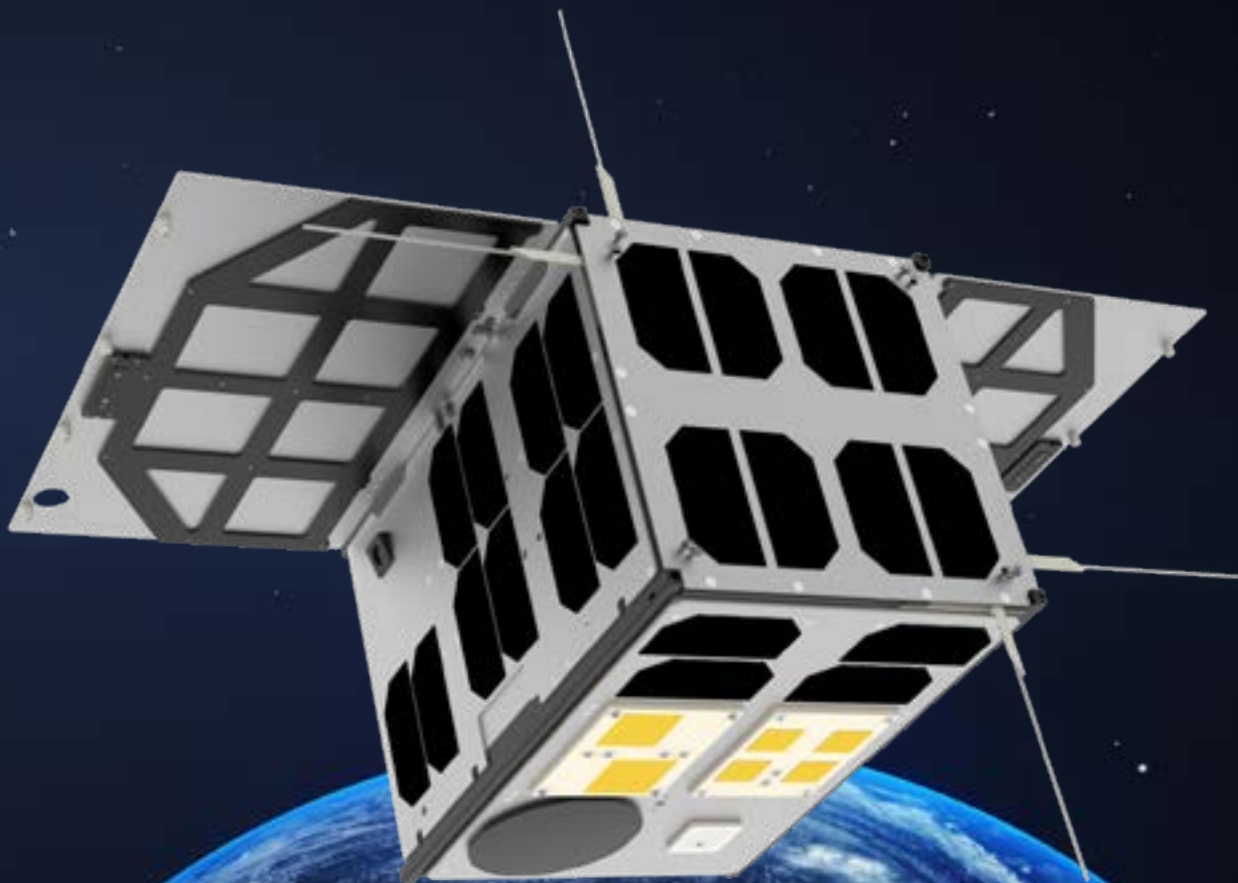


ISR **PRO**

INTELLIGENCE, SURVEILLANCE
& RECONNAISSANCE



SATELLITE FOR TACTICAL-GRADE IMAGING AND ANALYTICS WITH PROPULSION

- > Ground Target Surveillance
- > Space Object Observation
- > Maritime Domain Awareness
- > GNSS Interference Detection
- > Disaster Response
- > Radio Monitoring
- > SATCOM Surveillance
- > Constellation Ready

THALOR 


SPACEMANIC

STELLAR
EXPLORATION 

TECHNICAL SPECIFICATION

PLATFORM SIZE	24 kg (226 × 226 × 340 mm) 12U
PAYLOAD TYPES	Hyperspectral Camera Software defined radio (SDR)
CAMERA CAPABILITIES	GSD 4.75 m, 19.4 km swath width 1 Panchromatic band, 32 VNIR bands, 442 hyperspectral bands
SDR CAPABILITIES	100 MHz — 6 GHz baseline Instantaneous Bandwidth: up to 56 MHz Customizable RF front-end 300 GB of data storage
POINTING SPECIFICATION	Pointing error as low as 0.1° Sunlit and eclipse operation possible
COMMUNICATION & DATA	UHF, S-band, X-band downlink Revisit up to 4 times/day (single satellite) Constant coverage (constellation)
PROPULSION	Specific Impulse > 55 s Total Impulse 1000 Ns Delta V ~30 m/s, 30 mN thrust per nozzle
MINIMUM LIFETIME	2 years baseline up to 5 years depending on propulsion utilization

OFFER INCLUDES

- Full satellite including payloads and propulsion
- Launch, propulsion fueling and commissioning
- Operations for 2 years (50 min/day)
- Data delivery and pre-processing

PRICE

3,940,000 €

Delivery: 12 months | fast-track possible

POSSIBLE ADD-ONS

- On-board processing
- Operations extension
- Processing pipeline

Scan for
more
details

