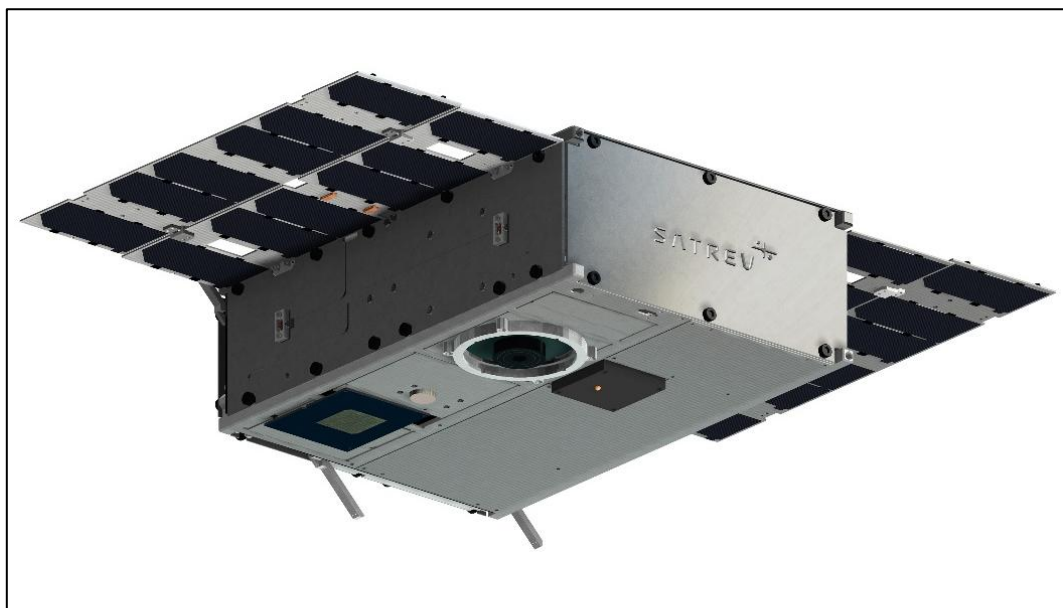


SN-10

Fastest way to get **your payload** to orbit

SatRev S.A. is a Polish space company established in 2016 operating in the space industry. NASA's "State of the Art Small Spacecraft Technology" report lists the company as one of 12 in the world that comprehensively designs, manufactures, and places nanosatellites in orbits around Earth to collect optical data.



Render of SN-10 design

- 6U CubeSat platform with advanced Earth-Observation capabilities and variety of external payload applications up to 3U
- Space-proven subsystems with heritage, based on advanced Raccoon platform combining flexibility, precision, and efficiency
- We provide end-to-end space solutions, including payload integration, mission campaign management, in-orbit operations and data transfer
- Rideshare opportunity - lowering costs of your mission to reach space
- Optional double-camera optical payload for RGB and NIR imagery

PLATFORM SUBSYSTEMS

- | | | | |
|-------------|--------------------|-------|----------|
| ▪ Structure | ▪ Optical Payload | ▪ OBC | ▪ UHF |
| ▪ ADCS | ▪ External Payload | ▪ EPS | ▪ S-band |

Rev: 2.0

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SN-10 CubeSat provides Plug&Play connection with any type of payload, which is the simplest and fastest way to get **your payload** to orbit and generate valuable data. SatRev's **Hosted Payload Missions** offer transparent and flexible operations tailored to **your needs**.

Whether you're looking for a simple in-orbit demonstration and verification to gain heritage, or you're building a complex business case for your Earth-Observation systems and services, SatRev's SN-10 is the right opportunity for you.

CONFIGURABLE COMPONENTS

Structure	▪ CNC manufactured of high-strength aluminum grades: 60xx or 70xx ▪ Up to 3U_{XL} custom payload capacity
Electrical Power System	▪ Space-proven EPS for energy harvesting and payload power supply ▪ Designed with redundancy and autonomous fault handling/recovery ▪ Battery capacity: 120 Wh ▪ Power available: 36 W ▪ Power supply: unregulated line 10.0 V – 12.6 V ▪ Available limited power supply setting upon request
On-Board Computer	▪ Space-proven command and data handling subsystem ▪ Comprises main processor and storage memory ▪ External program memory with hardware error correction ▪ Default payload interface: Ethernet
Attitude Determination and Control System	▪ 4x reaction wheels ▪ 3x magnetorquers ▪ Coarse Sun sensors ▪ Fine Sun sensor and fine Earth sensor ▪ Star tracker ▪ 3-axis magnetometer, opt. deployment ▪ GPS receiver with time and pps sync capabilities ▪ < 1° absolute positioning and pointing accuracy
Communications uplink/downlink	▪ UHF communication subsystem (TT&C) with redundancy ▫ Two independent radio transceivers ▫ Stable, reliable, low throughput communication ▫ Frequency range: 400 - 440 MHz ▪ S-band communication subsystem (Downlink) ▫ Frequency range: 2200 – 2290 MHz or 2400 - 2450 MHz ▫ Typical transmission data rate up to 1 Mb/s ▪ Different communication options upon request
Optical payload	▪ SatRev's space-proven VISION 300 camera ▪ Focal length: 300 mm; F-number = 5.6 mm ▪ 4 spectral bands: R, G, B, NIR ▪ GSD 5.8 m @500 km ▪ Reduced requirements for transfer rate to Earth ▪ Up to 12-bit depth and high SNR imaging capability