



READY-200

Attitude Determination & Control System
for your smallsat needs

FLIGHT SEGMENT



HIGH-PERFORMANCE, OFF-THE-SHELF ATTITUDE DETERMINATION & CONTROL

DEIMOS' READY-200 ADCS is a turnkey solution for attitude determination and control for any small satellite application. The READY-200 ADCS guarantees **high precision and agility for small satellites** in a **low-mass and low-power** package.

Our first-to-market, off-the-shelf ADCS provides a **highly configurable** product suitable for all LEO orbits, available in both **standard and high precision versions**. Its optimized cost and lead time will allow you to **maximize the capability of your missions, without sacrificing financial performance**.



UNPARALLELED PERFORMANCE FOR THE MOST DEMANDING MISSIONS

Key Performance Metrics	READY-200	READY-200HP
Pointing accuracy	< 60 arcsec (0.017 deg)	< 20 arcsec (0.006 deg)
Pointing stability	< 5 arcsec / s (0.001 deg / s)	< 2 arcsec / s (0.0005 deg / s)
Attitude estimation	< 25 arcsec (0.007 deg)	< 18 arcsec (0.005 deg)
Geolocation	< 10 m	
Agility	90 deg in 110 s (75 kg·m ²)	
Mass	16 kg	19 kg
Power	80 W (avg)	87 W (avg)
Target satellite mass range	150-300 kg off-the-shelf Higher mass supported on demand	

GUARANTEED AGILITY AND PRECISION

READY-200 and its High Precision version meet the requirements of even the most demanding Earth Observation missions. All our **metrics are measured up to 3 σ accuracy**, ensuring that your satellite performs once in orbit. No surprises on Day 1.

OPTIMAL COST AND LEAD TIME

Designed with the customer in mind, our products are optimized for low cost and lead time, without sacrificing performance. READY-200 meets your ADCS needs with **up to 50% lower cost than the alternatives and only 6-month lead time**, enabling commercial, low-cost satellites to enjoy performance previously reserved to flagship agency missions.

OFF-THE-SHELF AND STANDALONE

Integrated software and computing capabilities enable a standalone and off-the-shelf hardware configuration, allowing our ADCS products to easily integrate with any satellite. From simple parameter fine-tuning to mission-specific HW adaptations, **READY-200 can be adapted to any space mission.**

READY TO FLY

READY-200 ADCS will be qualified to TRL 6 in the coming months under an ESA project. Our product is **available to join your missions already in 2023.**



Hit the bull's-eye with READY-200

Let's talk!

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