

## SCS250

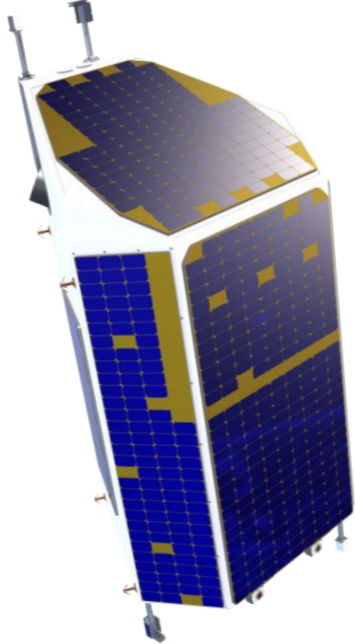
**SCS250** is a high resolution Electro-Optical imaging satellite solution that optimally addresses the general requirements of cost-effective high resolution imaging. With an acquisition and downlink capacity of up to one and a quarter million square kilometers each day, the system has been designed for continuous imaging and downlinking of data in a sun-synchronous orbit. The design also caters for tasking and downlinking in real-time from multiple fixed and mobile ground stations across the globe greatly reducing the delivery time for data products.

The SCS250 bus is founded on components that have operational space heritage.

The heart of SCS250 is its imager payload. The imaging products that this imager delivers include the panchromatic and multispectral bands with the addition of video. High resolution images are produced while maintaining a good signal-to-noise ratio and wide swath. The imaging products are generated to be compatible with existing SPOT 6/7 higher level value-added product generation tools.

SCS Space follows a philosophy of system design and development that ensures technical risk reduction through:

- Subsystems that are procured from reputable industry suppliers with proven space heritage and with the requisite design life span
- Experienced in-house engineers, functional area specialists and project managers
- Proven methodologies based on international standards and practical experience



### SCS250 - SPECIFICATIONS

Designed Lifespan	5 years
GSD	PAN: 1m (SNR > 100) Multi-Spectral: 4m (SNR > 200) Video: 1m
Imaging Modes	Point, Lines of Communication, Broad Area, Video
Imaging Products	Level 3 + Video
Orbit Characteristics	640 km Sun-Synchronous 4 day revisit period
Spectral bands	
PAN	450 – 745 nm
Blue	450 – 520 nm
Green	530 – 590 nm
Red	625 – 695 nm
NIR	760 – 890 nm
Swath	20 km
Video	Up to 90 seconds at 30 fps
System Mass	250 kg

SCS Space

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