FANTANA

OPTICAL PAYLOADS

MOTION-COMPENSATED IMAGING FOR NEXT-GEN EO MISSIONS



– OPTICS IN ACTION –

ST-200

High-resolution 8U Earth observation payload with a 185 mm Ritchey-Chrétien-Cassegrain telescope. Its 45 MP multispectral sensor and active motion compensation deliver 1.5 m GSD imagery for the most demanding missions.



1.5 m
GSD @ 500 km

11.9 km
Swath @ 500 km

45 / 67 MP
Sensor options

4.5 kg
Mass

OPTICS

Optical design	Ritchey-Chrétien-Cassegrain
Aperture	185 mm
Focal length	1100 mm, F/5.9
FOV	1.4°
Spectral range	450 to 900 nm*

IMAGING

GSD	0.9 m	@ 300 km
	1.5 m	@ 500 km
Swath width	7.1 km	@ 300 km
	11.9 km	@ 500 km
	20 km	@ 500 km, wide-area scan
Spectral channels	5 (up to 10)	
Sensor	45 MP (8192 × 5460) | 67 MP (8192 × 8192)*	
Features	■ **Wide-area scan** ■ **Agile imaging** ■ Forward motion compensation ■ Active focuser ■ Onboard image processing	

MECHANICAL & ENVIRONMENT

Mechanical design	Athermal design
Temperature range	−50 to +70 °C (survival) | −30 to +60 °C (operational)
Power consumption	0.36 / 4.69 / 9.97 W (idle / processing / imaging)
Mass	4503 g
Envelope	8U: 220.3 × 220.3 × 313 mm, excl. sensor & electronics

* Other options, such as SWIR or LWIR, on request.

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TALK TO US

hello@fantana.at

www.fantana.at