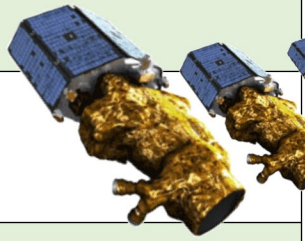


TripleSat Constellation Data Sheet

Number of satellites	3	
Satellite Orbit	Sun-Synchronous orbit Altitude: 651km LTAN: 10:30 am	
GSD	1m PAN 4m Multi-Spectral	
Bands	PAN: 450 nm – 650 nm Blue: 440 nm – 510 nm Green: 510 nm – 590 nm Red: 600 nm – 670 nm NIR: 760 nm – 910 nm	
Swath Width	23.4km	
MTF	PAN: >10% MS: >20%	
SNR	>100:1	
Pointing Accuracy	<500 m	
Geo-Location	<50 m (1-sigma, without GCP's, With no blinding)	
Strip length	175 scenes (Equivalent to 4000 km)	
Off-Pointing capacity	$\pm 45^\circ$	
Imaging Mode	Single Scene (23.4 km x 23.4 km) Strip Map (Up to 175 Scenes) Along Track Stereo (Single Pass) Across Track Stereo (Two Passes) Area (40 km x 40 km)	
Revisiting	1 Day	
Design Lifetime	7 years	
Compression	Real-time Lossless / Near Lossless, JPEG-LS	
On-board Storage	544GB (Equivalent to 550 Scenes)	
Transmission Rate	500 Mbps (5/6 TCM encoding) 400 Mbps (2/3 TCM encoding)	