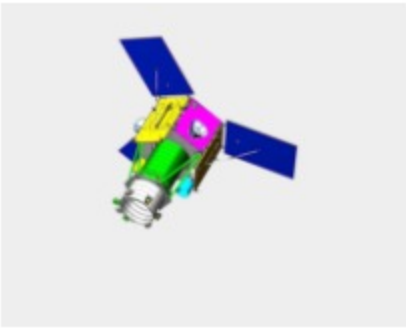
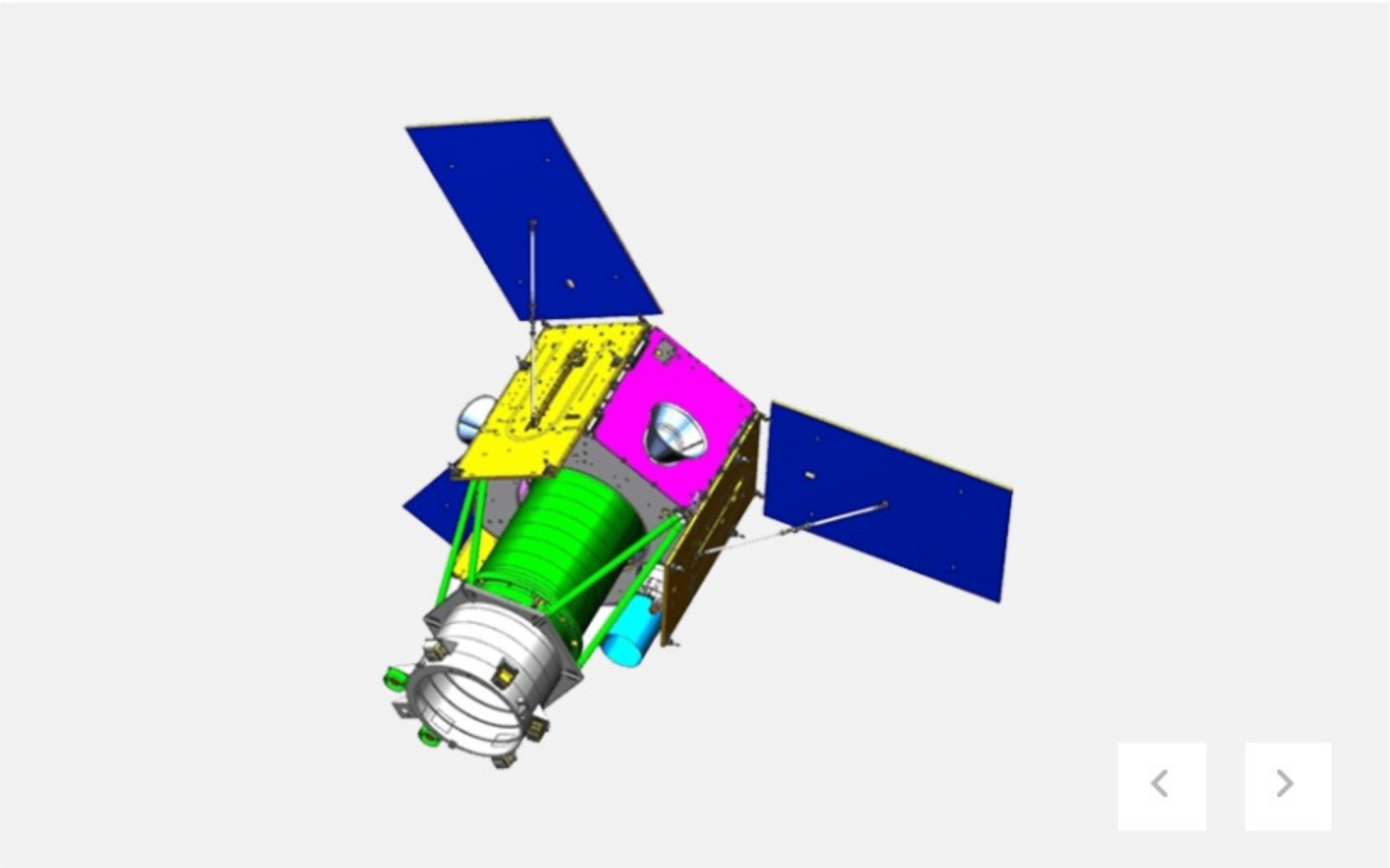


High-Resolution Push-Broom Satellite GF Sat

(1) High resolution Up to 0.5m panchromatic resolution, 2m or less standard multi-spectral resolution, 4m or less extended multispectral resolution, and 5m or less infrared multispectral resolution enable it to unveil clear ground truth and applicable for land investigation, agricultural and forestry resources survey, environmental surveillance, geographical mapping, disaster relief, etc. (2) Optimized spectral wave bands The master load has a full waveband, 4 standard multispectral bands (blue, green, red and infrared-) plus four short near-infrared wave bands, ; while the vice load has 11 wave bands. (3) Extraordinary agility Rapid and accurate sub-satellite point imaging with multiple imaging modes: conventional push-broom imaging, large-angle side-sway imaging, multiple-point imaging, bands matching and stereo imaging, a maximum angle of $\pm 45^{\circ}$ side-sway imaging and maximum motor angular velocity 2 °/s, orbit control capacity to maneuver and maintain the orbits. (4) Wide-frame photography 20 km or above swath width of sub-satellite imaging with superior observation. (5) Customized production High-end customized products of long life and short delivery cycle (24 months) are available.



 Consult

 Contact

The main technical indicators

Technical specifications		
Imaging patterns	Conventional push-broom imaging, large-angle side-sway imaging, multi-point imaging, band matching, stereo imaging	
Ground pixel resolution (sub satellite point is 545km above ground)	Panchromatic: ≤0.5m Standard multispectral: ≤2m	
Spectral band	Master payload	Panchromatic: 450nm~800nmBlue: 450nm~510nm
		Green: 510nm~580nm
		Red: 630nm~690nm
		Near-infrared: 770nm~895nm
		Short wave infrared 1: 1195nm~1225nm
	Vice payload	Short wave infrared 2: 1360nm~1390nm
		Short wave infrared 3: 1550nm~1590nm
		Short wave infrared 4: 1610nm~1690nm
		B1: 400nm~450nm
		B2: 585nm~625nm
		B3: 705nm~745nm
		B4: 860nm~1040nm
		B5: 460nm~480nm
		B6: 545nm~565nm
		B7: 620nm~670nm
		B8: 745nm~760nm
		B9: 890nm~920nm
		B10: 931nm~941nm
		B11: 915nm~965nm
Swath width (sub satellite point is 545km above ground)	≥20km	
Attitude control mode	Three-axis stabilization	
Attitude maneuverability	The maximum maneuvering angular velocity is 2°/s	
Side-sway ability	The maximum side-sway imaging angle is ±45°	
Orbit maneuverability	Orbit control ability of orbit maneuver and maintenance	
External envelope dimension	Φ2400mm×3402mm (in battery) 5753mm×4982mm×3402mm (in orbit)	
Weight	<1100kg	
Designed lifecycle	8 Years	
Delivery cycle	24 Months	