



SATLUTION

FIREYE

High resolution optical camera

FIREYE provides 0.5m panchromatic resolution & 2m multi-spectral resolution images. It can be flexibly installed on JOVI-1 or other satellites and take pictures for places where interest to the user.

Key features

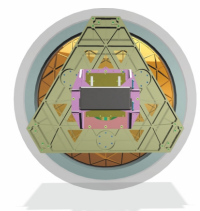
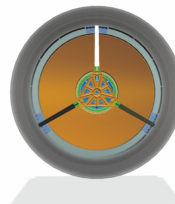
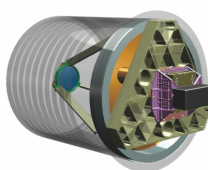
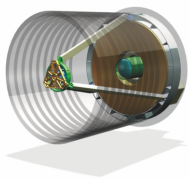
Light weight small size with high resolution

High data downlink rate, near real-time acquisition

Large onboard storage 1 TB (can be customized)

Artificial intelligence

Cost-effective



www.satlution.com

E-mail space@satlution.com

Specifications

Imaging mode	Push-broom imaging
Aperture	0.58m
Resolution for Panchromatic (GSD)	0.5m, @500km at Nadir
Resolution for Multispectral (GSD)	2m, @500km at Nadir
Swath @500km	12km
Bands	P : 0.45 μ m-0.70 μ m
	B1 : 0.45 μ m -0.52 μ m
	B2 : 0.52 μ m -0.59 μ m
	B3 : 0.63 μ m -0.69 μ m
	B4 : 0.77 μ m -0.89 μ m
Power	Peak power consumption less than 136W Long term power consumption less than 80W
Continuous imaging time	300 s
Mass	\leq 50kg
Design life (End of life reliability > 0.9)	5 years
Data quantization	11 bits
Onboard storage	1 TB
Imaging time per orbit	5 mins
MTF	PAN>0.12 ; B1-B4 >0.2
SNR	> 38dB (solar altitude angle = 70°, Surface Reflectance = 0.65) > 28dB (solar altitude angle = 30°, Surface Reflectance = 0.03)