

1. Parameters for SV-2

Spatial Res.	PAN:	0.5 m
	MS:	2 m
Swath		≥ 15 km
Spectral bands	PAN:	450-900 nm
	Blue:	450-520 nm
	Green:	520-590 nm
	Red:	630-690 nm
	NIR1:	770-890 nm
Bit depth:	12 bits	
Locational accuracy	≤ 10 m	
Wideband data downlink rate:	2*800Mbps	
Revisit frequency	3 days	

2. ESUN

ESUN for SV-2 ($W/m^2/\mu m$)

Sensor	Blue	Green	Red	Near_IR
SV-2	1976.376	1857.133	1542.657	1072.39

3. Spectral bands:

	Blue	Green	Red	Near_IR
half-wave width (nm)	65	68	57	116
center wavelength (nm)	510	585	655	825

4. Absolute calibration coefficient:

Absolute calibration coefficient ($W \cdot m^{-2} \cdot sr^{-1} \cdot \mu m^{-1}$)

	Blue	Green	Red	Near_IR	Pan
Gain	0.0602	0.0814	0.0553	0.0766	0.0918
Offset	0	0	0	0	0

5. Programming capacity (km2/day)

350,000 km2/day)

6. On-board storage capacity

5Tbits

7. Saturation Levels

Blue :106.605-123.188

Green:81.585-89.355

Red: 72.24-91.848

Near-IR: 57.105-112.941