

observation method	dayside	observation of the scatterd solar light by clouds top	
Sensor Type		The imager using the reflective refraction optical system	
Obserbation Wave length		280nm , 365nm	
Wavelength Resolution		30nm	
FOV		12°	
Angler Resolution		0.015° (@13Rv)	
S/N		100 (Target Value)	
Sensor Temperature		23±3℃	
Optics	Total F Number	16	
	Synthetic Focal Length	63.3 mm	
	Aperture	Effective aperture 3.96mm	
	MTF	the Center of the Field:0.82 the edge of the field: 0.80	
	Spot size	the Center of the Field:1 μ m the edge of the field:1 μ m	
	Glass material	Zero-dur (board)+Al+MgF2(coat)	
Detector	Type	Si -CCD(The number of elements: 1024 × 1024)	
	Cooler	None	
	Temperature	0℃	
	Exposure Time	1sec	
	Quantum bit Number	12bit	
Filter	Filter Wheel	Position: front of lens	
	Wave Center	280nm/365nm 38.5 φ	
	Width	30nm	
Shutter		Mechanical (T. B. D)	
Hood	Type	Single Cone	
	Size	T.B.D	
	Hood Temperature	No Control	
Mass		3.2kg	
Electric Power	Measure	9.4W	
	Stand-by	4.4W	
Data rate under AD convert		T.B.D	

Component	Module	Element	Component [kg]	Module [kg]	Element [kg]
UVI-S	Hood	Hood	1.71	0.09	0.09
		Hood Bracket			0.00
		Sensor			Lens
	Sensor	Detector		0.10	
		Filter		0.10	
		Thermal Strap		0.20	
		Insulator		0.02	
		Case		0.24	
		Filter Wheel		Filter Wheel	0.85
	Motor+Bracket			0.33	
UVI-AE		Circuit PWB+E (x3)	1.50		0.60
		Circuit shackle			0.05
		bolt			0.135
		Case			0.71
Total			3.21		

UVI Weight Detail

Component	Module	Element	Observation(W)		Standby (W)	
UVI	Hood		0.0		0.0	
	Sensor	Detector	3.0	3.00	1.1	1.10
		Filter Wheel				
		Preamp				
	Sensor Controller	ADC Board	2.0	6.4	1.0	3.3
TMG Board		1.5	0.8			
Power Supply Board		2.9	1.5			
合計			9.37		4.35	

UVI Electric Power Detail