

Specific Spectrometer Parameters	VNIR Spectrometer	SWIR Spectrometer
Sensor Type	CMOS with column ADC structure	MCT with dual gain ROIC
Number of pixels (used for observation)	1000 x 94	1000 x 134
Pixel Size (spatial x spectral)	24 μm x 24 μm	24 μm x 32 μm
Spectral Range	420 - 1000 nm	SWIR-Ia : 900 - 1390 nm SWIR-Ib : 1480 - 1760 nm SWIR-II : 1950 - 2450 nm
The mean spectral sampling distance	6.5 nm \pm 0.2 nm (TBC)	10 nm \pm 0.4 nm (TBC)
Variation of the spectral sampling distance	$\Delta\lambda_m \pm 1.8$ nm	$\Delta\lambda_m \pm 2.5$ nm
ADC resolution	Dual 13 Bit overlapping (single data format with more than 14 bit after data processing on ground)	14 Bit (single gain data format after data processing on ground)