



## DESCRIPTION

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This product is designed and developed in order to provide proper spatial resolution and also panchromatic imaging with high spatial resolution in proportion to the dimensions and size of the cargo. This product is suitable for nanosats. It is also suitable for low-cost systems. This product has good resistance to shock and vibration during launch phase. It also contains multi layer insulation to increase the thermal range and a heater to compensate temperature drop.

## KEY HIGHLIGHT

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- >> Panchromatic imaging
- >> Modulation transfer function better than 0.12
- >> It contains a heater to compensate for temperature drop if needed
- >> Suitable for preparation of application map and agriculture
- >> Image with high spatial resolution



# TECHNICAL SPECIFICATION

Environmental and Mechanical Characteristics		
Focal Length		500 mm
Total static MTF at Nyquist frequency		>0.1
Resistance to shock and vibration	shock	1500g
	Random shock	14g (RMS) in 3Axis(xyz)
Dimension (optic and sensor )		98 x 113x 224 mm
Mass		>2 kg
Interface (OBC & X-band)		CAN , QSPI
Degree of thermal stabilization		0.1
Encryption		optional
F#		8
Ground Sampling Distance	GSD	7.4m
	swath	15.1 km
Operating Temperature Range		0 °C to +30°C
Pixel size		7.4 micro m
Camera power consumption		12V-3.8w
Heater power consumption		12V-18w

## DRAWING

