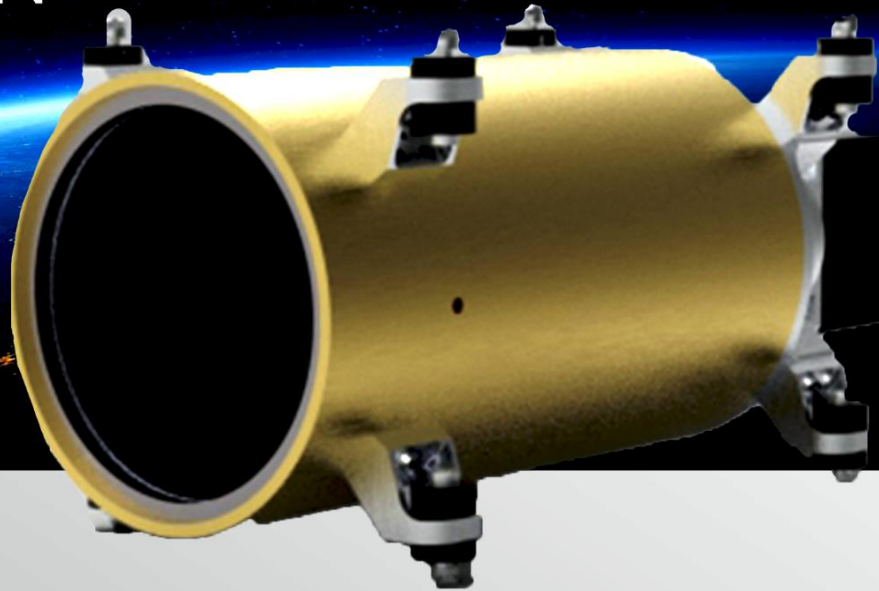


# LIGHTWEIGHT HIGH RESOLUTION



## Description

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This Cam contains three components, which are shown in the figure below. The sensor part and the electronic box part are two components of this Cam. The telescope is another part of this cam, which consist of optical, pneumatic, heater, MLI and thermometer parts.

## Key Highlight

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- Transmission error propagation management in X-band is shrinking the image and creating a thumbnail
- Compression with JPG format and with the ability to choose the compression rate
- Connecting to the GPS via RS485



# TECHNICAL SPECIFICATION

Environmental and Mechanical Characteristics			
Focal Length			1000 mm
Field of View			2.08 deg
Total static MTF at Nyquist frequency			>0.1
Resistance to shock and vibration	shock		1000g
	vibration		20 - 2000Hz
Dimension	optic and sensor		13.5 x 13.5 x 33 cm
	computer		0.5U
Mass			>5000 g
Interface			CAN , SPI
Degree of thermal stabilization			0.1
Encryption			optional
F#			11
Ground Sampling Distance	GSD		4.5 m
	swath		18 km
Operating Temperature Range			0 °C to +27°C
Storage Temperature Range			-20 °C to +60°C
Power Consumption	Pre-preparation	adjustable	10 to 20 watt
	Imaging Function		6 watt
	Imaging Discharge		10 watt
Computer Specification	Memory		eMMC-32GB
	RAM		8GB
	Operating system		Ubuntu 18 LTS
Sensor	Model		KAI-11002, CCD
	Pixel Size		9.0 μm
	Dimension		36.28 x 24.19 x 43.3 mm
Optomechanical Type			Titanium and Aluminum
GPS connection			RS485



# DRAWING

