

MANTIS-3 (Mission Adaptable Narrowband Tunable Imaging Sensor)

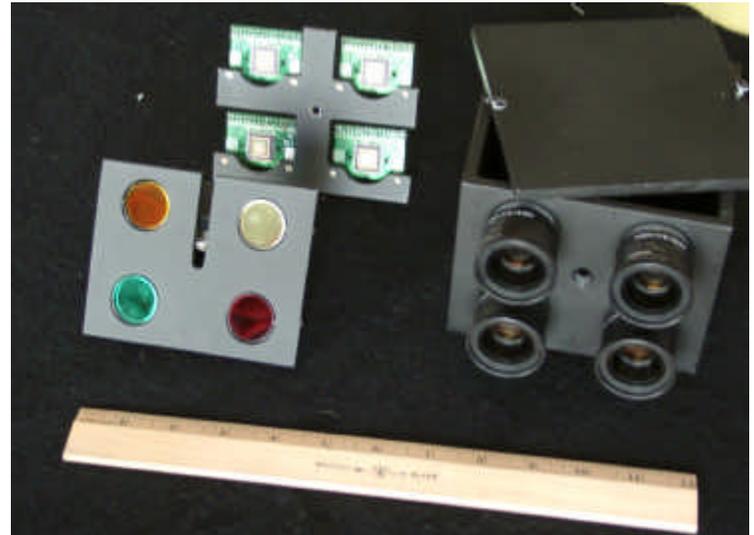


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VENDOR DESCRIPTION

MANTIS-3 is a selectable four-band, four-aperture, low-cost, lightweight multispectral CMOS sensor that allows for the acquisition of temporally simultaneous multispectral data without the added complexity of a filter wheel. MANTIS-3 currently provides four channels of synchronized analog video data. PAR Government Systems can provide an integrated sensor/software package for data acquisition and signal processing to develop RSTA and ISR data products. The product outlined below is simply the sensor alone.

Patent application in process.



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MS

Hardware	
Power: 3 watts	Operating Speed: 0 to 150 kts
Weight: 2 kg	Operating Temp.: 10°C to 40°C
Dimensions: 120mm x 120mm x 120mm	Storage Temp.: -20°C to 60°C
Internal Volume: 0.002 m ³	Interface: 4 Channel RS-170
In-Flight Manipulation of the Sensor: No	TCDL Compatibility: Yes
Operating Altitude: 0 ft to 10,000 ft AGL	Maintainability: 2-level BIT to LRM level

Performance
Swath Width: Selectable
Sensor Type: Visible to NIR Multispectral