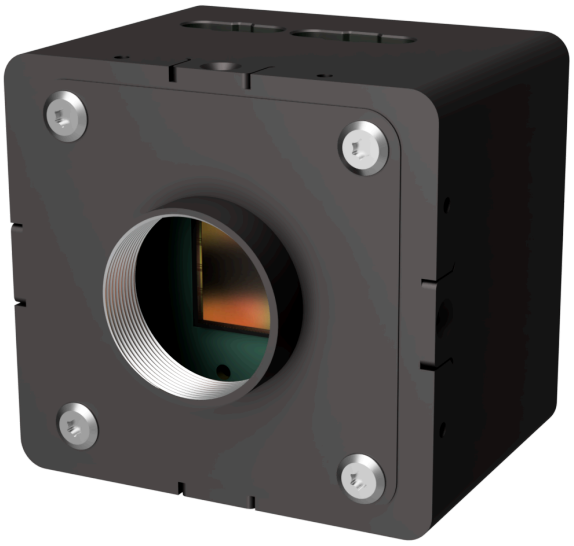
TAKE ME 2 SPACE

Imager Readout

Technical Specifications



Description:

The Imager Readout is a compact snapshot imaging system built around a 4-megapixel global-shutter CMOS image sensor, delivering RAW imagery at 8/10/12-bit depth or JPEG-compressed output. Image data is transferred over Gigabit Ethernet, with RS485 and CAN interfaces provided for telemetry and telecommand.

Electronics Specifications:

	Parameter	Value
Sensor Specifications	Imager Type	Global Shutter
	Resolution	4MP
	Colour Format	Mono/RGB
	Data Format	8/10/12bit
	Image format	RAW or JPEG
Integrated storage	Non Volatile Storage	128GB
Communication Interfaces	Data Interface	Gigabit Ethernet
	TMTC Interface	Full Duplex RS485 and CAN
Power	Input Voltage	Range :- 10V to 26V Nominal :- 12V
	Nominal Current	500 mA
	Peak Current	1 A
	Peak Power	26 W
	Protection Features	The power input has an eFuse with - Over Voltage Protection (OVP) - Under Voltage Lockout (UVLO) - Over Current Protection and - Reverse Polarity Protection
Mechanical	Mass	513 g
	Dimensions	60x64x100.5 mm
	Connectors	1 x 6 pin Harwin Gecko screw lock for power input 1 x 6 pin Harwin Gecko screw lock for Full Duplex RS485 1 x 6 pin Harwin Gecko screw lock for CAN 1 x 10 pin Harwin Gecko screw lock for Gigabit Ethernet

Questions? Queries? Contact us at info@tm2.space