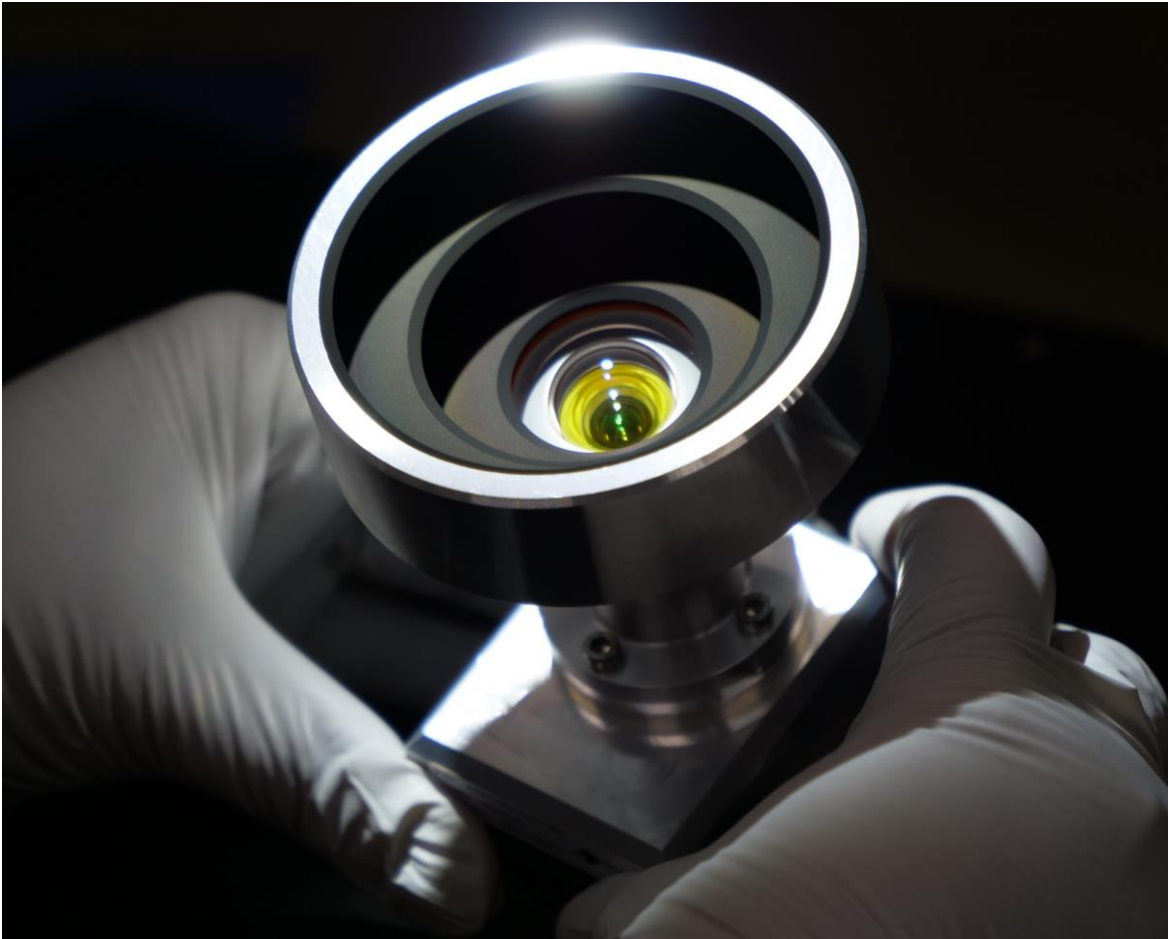


AURICAM



MONITORING CAMERA

- SPECIFICALLY DESIGNED FOR MONITORING SPACECRAFT HEALTH & SAFETY OR RENDEZ VOUS MISSIONS
- COMPACT DESIGN & HIGH ROBUSTNESS
- BASED ON AURIGA STAR TRACKER HEADS, FLY PROVEN SINCE 2019
- GUARANTEED FOR 7/15 YEARS LIFETIME IN LEO/GEO ORBITS

AURICAM

MONITORING CAMERA – Available December 2022

TECHNICAL SPECIFICATIONS

SENSOR PERFORMANCES		VALUES	
Resolution	2048 x 2048 pixels ; 5.5µm pitch		
Shutter type	Global shutter		
Programmable Integration time	[10µs – 30s]		
Image type	Color or Black & White		
LENS OBJECTIVE CHARACTERISTICS (2 options)			
Diagonal Field of View	35°	80°	
Focal	25 mm	10 mm	
Aperture	F/3.5 to F/8	F/4 to F/8	
ENVIRONMENTAL CHARACTERISTICS			
Operating range (baseplate temp.)	-25 to +45 °C		
Storage temperature	-40 to +80 °C		
Mechanical first resonance frequency	> 500 Hz		
Volume with baffle	35° : 160 x 70 x 65 mm	80° : 150 x 70 x 65mm	
Mass	<450g		
RELIABILITY, AVAILABILITY AND LIFETIME			
EEE component class	ESCC Class 1		
Lifetime	7 years in LEO & 15 years in GEO		
ELECTRICAL / COMMUNICATION / SOFTWARE INTERFACES			
Interface	SpaceWire		
Power supply	4.5 to 9V		
Power consumption (max EoL ; typ)	< 2W		
Memory	8 Gb Nand Flash & 2 x 512Mb SDRAM embedded		
Frame Rate	Up to 6 fps full frame (2048x2048 pixels)		

SMART DESIGN

- Affordable cost
- Compact and Modular Design
- Field of view can be adapted under request
- Aperture and DOF can be adapted under request

HIGH ROBUSTNESS

- High reliability and lifetime
- Compatible with LEO & GEO environment
- Derived from Sodern Auriga Star Tracker in orbit since 2019

CONTACT

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