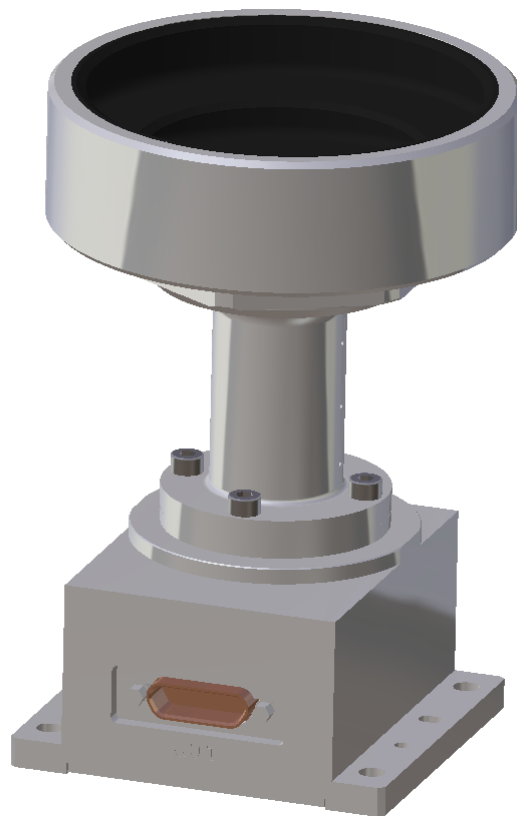


AURICAM



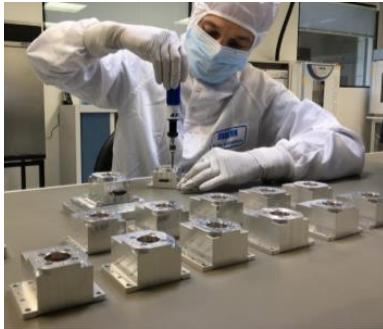
MONITORING CAMERA

- 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

TECHNICAL SPECIFICATIONS		
OPTICAL & IMAGE PERFORMANCES	VALUES	UNIT
Resolution	1M pixel	-
Shutter type	Global shutter	-
Programmable Integration time	[10 μ s – 30s]	-
Image type	Black & White	-
Field of view	60°x 60°	Deg
Aperture	f/1.4 or f/4	-
Baffle SEA (half cone, Sun Exclusion Angle)	64°	Deg
ENVIRONMENTAL CHARACTERISTICS		
Operating range (baseplate temp.)	-20 to +40	°C
Storage temperature	-30 to +70	°C
Mechanical first resonance frequency	> 1000	Hz
Volume	112 x 60 x 65	mm
Mass	380	g
RELIABILITY, AVAILABILITY AND LIFETIME		
EEE component class	ESCC Class 3 equivalent and automotive	-
Reliability	165 (FIDES method, avg 20°C, orbital $\Delta T=10^\circ C$)	Fit
Reset due to SEE	1 every 52 days (GEO) & 1 every 22 days (LEO 1200km)	-
Lifetime	7 years in LEO & 15 years in GEO	-
ELECTRICAL / COMMUNICATION / SOFTWARE INTERFACES		
Interface	SpaceWire	
Power supply	5	V
Power consumption (max EoL ; typ)	1.1 / 0.8	W
SpaceWire signaling rate	50	Mbps



Monitoring cameras during assembly



About 900,000 debris (1-10 cm) are orbiting around Earth. Monitoring cameras enable to assess impact of debris or any anomalies.

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SMART DESIGN

- Affordable cost
- Compact and Modular Design
- Field of view 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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