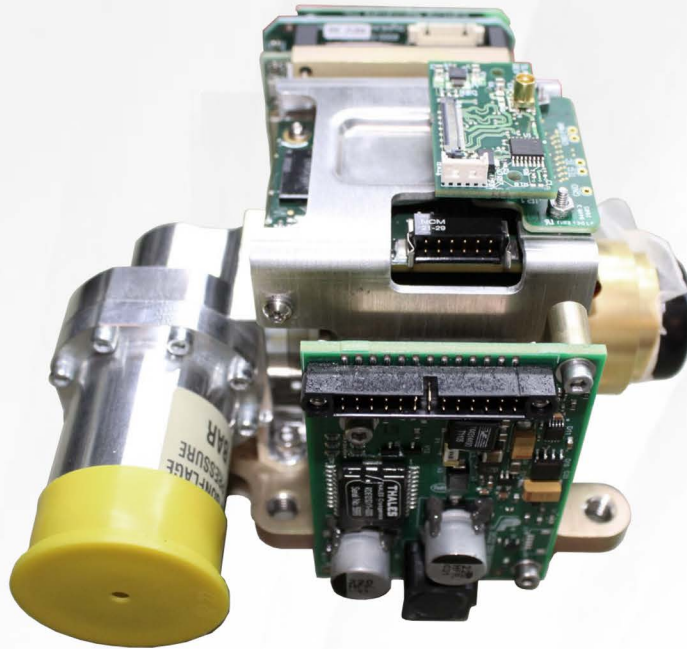


TEOPS

ELECTRO-OPTICAL SYSTEMS

HD MWIR CORE



FEATURES

- SWaP optimized
- Design according to Military Standards
- High resolution
- Advance image processing algorithms
- Lens options available

SPECIFICATION	VALUE	
ELECTRO-OPTICAL SPECIFICATIONS		
Wavelength	3.7-4.8 μm (MWIR)	
Detector Resolution	1280 x 720	
F/#	2.0 / 3.0 / 4.0	
Pixel Pitch	10 μm	
NETD (20°C BB, %35 WF)	28 mK	
Operability	%99.7	
Frame Rate	60 Hz	
MTF @ Nyquist	0.4	
Cold Shield Height	20.47 mm	
Cool-Down Time (22°C)	6 min 50 s	
FPA Operating Temperature	110 K	
INTERFACES		
Communication	Ethernet	
Image Output	Ethernet / HD-SDI	
Image Processing Options	Field correction, bad pixel replacement, non-uniformity correction, image compression (H.264)	
Power	12 V DC x 2	
Power Consumption	Steady State	9 W
	Cool-Down Stage	16 W
ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature	-40°C to +71°C	
Storage Temperature	-40°C to +71°C	
MECHANICAL SPECIFICATIONS		
Weight	620 g	
Dimensions	115 x 80 x 122 mm	

