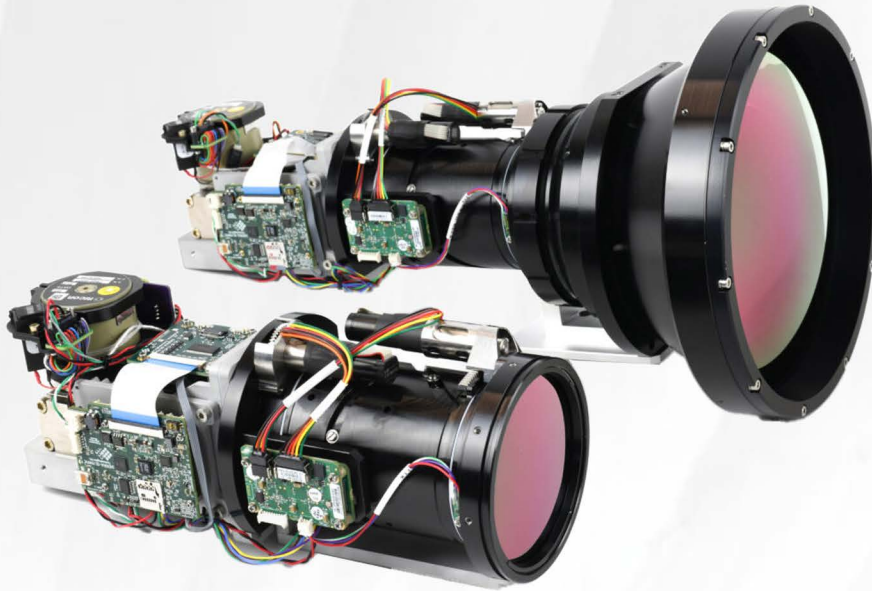


# TEOPS

ELECTRO-OPTICAL SYSTEMS

## OPEN FRAME MWIR CAMERA



### FEATURES

- SWaP optimized
- HOT detector technology
- Design according to Military Standards
- Advance image processing algorithms
- Lens options available

SPECIFICATION	VALUE	
<b>ELECTRO-OPTICAL SPECIFICATIONS</b>		
Wavelength	3.6-4.2 $\mu\text{m}$ (MWIR)	
Detector Resolution	640 x 512	
F/#	4.0 / 5.5	
Zoom Ratio	14x	
Narrow FOV	1.9°	
Wide FOV	28°	
Pixel Pitch	15 $\mu\text{m}$	
NETD (20°C BB, %35 WF)	30 mK	
Operability	%99.5	
Frame Rate	60 Hz	
MTF @ Nyquist	0.47	
Cold Shield Height	19.4 mm	
Cool-Down Time (20°C)	3 min 30 s	
FPA Operating Temperature	150 K	
Detection (NATO)	14.9 km	
Recognition (NATO)	5.2 km	
Identification (NATO)	3.4 km	
<b>INTERFACES</b>		
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	19 W
<b>ENVIRONMENTAL SPECIFICATIONS</b>		
Operating Temperature	-40°C to +65°C	
Storage Temperature	-40°C to +71°C	
<b>MECHANICAL SPECIFICATIONS</b>		
Weight	690 g	
Dimensions	147 x 84 x 73 mm	

