- MWIR Dual FOV - Commercial off the shelf lens

• OPAL

MWIR 50/250mm F/4.0 Dual FOV Lens For $640 \times 512 \times 15 \mu$ cooled detectors

FEATURES / APPLICATIONS / CAPABILITIES

- An ultimate solution for rugged, demanding payloads
- Sealed to IP67 level



	HFOV fo	HFOV for Narrow (250mm)						
	640x512	1024x768	1280x1024	IFOV (mrad)	640x512	1024x768	1280x1024	IFOV (mrad)
10u	7.32°			0.011	1.5°			0.0023
12u	8.78°			0.013	1.8°			0.0027
15u	10.97°			0.017	2.2°			0.0034
16u								

PARAMETER		VALUE	NOTES		
Main	Sub				
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		50 / 250 mm / F4.0			
Focal Length / F# Detector (FPA) type / size		Up to 640 x 512 x 15µ			
Working Spectral Range					
working S	1	3 – 5µ			
Optical Coatings	Internal surfaces	High Efficiency AR coating			
	Front surface	High Durability AR coating	DLC is available upon request		
CSH		19-22mm			
☆ MECHANICAL					
Focus / Zo	om mechanism	Motorized	Single motor		
Focus rang	je	20m – Infinity			
NFOV boresight retention		< 0.05 mm radius at the focal plane			
Total Weight		1.5Kg			
Structure		Sealed	Open frame config. Upon request		
Ext. Dimen	sions L x W x H (mm)	146 x 93 x 115	Please refer to MICD for details		
P ELECT	RICAL				
Power Inpu	ut	12VDC, 1.0 A			
Communication Protocol		RS-422/232 Full Duplex			
♠ ENVIRONMENTAL					
Operating / Storage Temperature		-25°C to +55°C / -40°C to +70°C			
Shock and Vibrations		Per applicable standard			
Sealing		IP67			
A.I.I. I.	naminal, to within 15%	,			

^{*}All values are nominal: to within $\pm 5\%$

