

MWIR Continuous zoom – commercial off the shelf lens

FOLDED-L,I,S SERIES

MWIR 15 - 300mm 30 - 600mm F/4 Continuous zoom Folded Lenses

L – Computable with Leo(Sofradir) or Pelican–D(SCD) detector

I – Single folded

S – Computable with Scorpio(Sofradir) detector.

Refer to MICD

FEATURES / APPLICATIONS / CAPABILITIES

- Intended for various volume restricted applications
- Focus is maintained through the entire zoom range providing extremely fast zoom and focus response



PARAMETER		FOLDED-300	FOLDED-600
Main	Sub		
OPTICAL			
Focal Length / F#		15 - 300 mm F/4	30 - 600 mm F/4
Detector (FPA) type / size		For 9.6 mm x 7.68 mm F/4 cooled detectors with 19 – 22 mm cold shield	
Working Spectral Range		3 – 5 μ	
FOV (degrees)		Wide FOV: 25.5°(H) x 21° (V) Narrow FOV:1.85°(H) x 1.5°(V)	Wide FOV: 18°(H) x 14.6° (V) Narrow FOV:0.95°(H) x 0.75°(V)
Optical Coatings			
	All internal surfaces	High Efficiency AR coating Average transmission: 90%	
	Front surface	High Durability AR coating DLC is available upon request	
Optical Back Focal Length		34 mm	
MECHANICAL			
Mechanical Back Focal Length		24.7 mm Nominal	
Zoom mechanism		Motorized with 2 motors	
Focus Range		10m – Infinity (wide) 30m – Infinity (Narrow)	
Total Weight		950 grams	2 kg
External Dimensions		Diameter: 144 mm; Length: 140 mm (Please refer to MICD for details)	Diameter: 165 mm; Length: 212 mm (Please refer to MICD for details)
ELECTRICAL			
Power Input		12VDC, 1.0A Nominal	
Communication Protocol		RS-422/232 Full Duplex Baud rate 19,200, n, 8, 1	
ENVIRONMENTAL			
Operating/Storage Temperature		-30°C to +55°C / -40°C to +70°C	
Shock and Vibrations		Per applicable standard	
Front lens sealing		IP67 By request	

