

MWIR Continuous zoom – commercial off the shelf lens

GALAXY

MWIR 20 – 300mm F/3.4 Continuous zoom double folded
 Lens with DSP controller for 10 μ HD sensors

FEATURES / APPLICATIONS / CAPABILITIES

- Highest resolution performance over entire zoom range
- 180° Folded, Compact & light weight design
- Rugged and robust built for harsh environmental conditions
- Focus is maintained throughout the entire zoom range, with extremely fast zoom and focus response
- Available in several versions to support multiple applications
- Available with different Beam Extender (x1.5, x2, x2.5)

**NEW
 UNDER
 DEVELOPMENT**

PARAMETER		VALUE	NOTES
Main	Sub		
OPTICAL			
Focal Length / F#		20 – 300 mm F/3.4	Nominal Values
Detector Size / Cold Shield Height		1280 x 1024 x 10 μ detectors	Regular 19-22mm CSH
Working Spectral Range		3-5 μ	
FOV (degrees)		Wide: 35.7° (H) x 28.8° (V) Narrow: 2.42° (H) x 1.96° (V)	
Optical Coatings	Internal surfaces	High efficiency AR coating	Average transmission: 90%
	Front surface	High durability AR coating	DLC is available upon request
Optical Total lens track			138mm Nominal
Optical Back Focal Length			32 mm Nominal
MECHANICAL			
Mechanical Back Focal Length			~ 28mm Nominal for standard MICD.
Zoom mechanism			Motorized
Focus Range			10m - Infinity
Total Weight			TBD
External Dimensions			100 x 140 x 155 (W x H x L)
ELECTRICAL			
Power Input		12VDC, 1.0 A	Nominal
Communication Protocol		RS-422/232 Full Duplex	Baud rate 19,200, n, 8, 1
ENVIRONMENTAL			
Operating/Storage Temperature		-30°C to +50°C / -40°C to +70°C	
Shock and Vibrations		Per applicable standard	
Front lens sealing		IP67 By request	

