

MWIR Continuous zoom – commercial off the shelf lens

GALAXY

MWIR 20 – 300mm F/3.4 Continuous zoom double folded
 Lens with DSP controller for 10μ 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 10μ detectors	Regular 19-22mm CSH
Working Spectral Range		3-5μ	
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	

