. MWIR Continuous zoom - commercial off the shelf lens

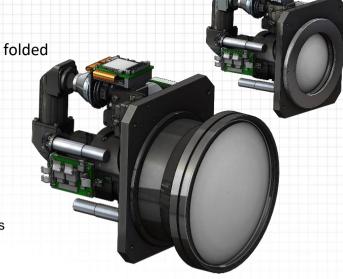
GALAXY

PARAMETER

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)



NOTES

| Pocal Length / F# 20 - 300 mm F/3.4 30 - 450mm F/3.4 Nominal Values | |
|--|--------|
| Detector Size / Cold Shield 1280 x 1024 x 10μ detectors Regular 19-22mm CSH Working Spectral Range 3-5μ FOV (degrees) Wide FOV 35.7° (H) x 28.8°(V) 24.0° (H) x 19.4°(V) Narrow FOV 2.42°(H) x 1.96°(V) 1.63°(H) x 1.30°(V) Optical Internal surfaces High efficiency AR coating DLC is available upon recording Optical Total lens track 170 mm Nominal 250 mm Nominal Lens is folded Optical Back Focal Length 32 mm Nominal Lens is folded Optical Back Focal Length ~ 28mm Nominal for standard MICD. Zeom mechanism Motorized Focus Range 10m - Infinity 15m - Infinity | |
| Height Working Spectral Range 3-5μ FOV (degrees) Wide FOV 35.7° (H) x 28.8°(V) 24.0° (H) x 1.94°(V) Optical Coatings Internal surfaces High efficiency AR coating Average transmission: 9 Coatings Front surface High durability AR coating DLC is available upon of the property of the pr | |
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| Optical Total lens track Optical Back Focal Length Mechanical Back Focal Length Zoom mechanism Focus Range 170 mm Nominal 250 mm Nominal 32 mm Nominal 32 mm Nominal 32 mm Nominal 32 mm Nominal 40 moderate 40 moderate 41 moderate 42 mm Nominal for standard MICD. 43 moderate 44 moderate 45 moderate 46 moderate 46 moderate 47 moderate 48 moderate 49 moderate 40 modera | 90% |
| Optical Back Focal Length 32 mm Nominal | equest |
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| Zoom mechanism Motorized Focus Range 10m - Infinity 15m - Infinity | |
| Focus Range 10m - Infinity 15m - Infinity | |
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| Total Weight Long only TDD TDD | |
| Total Weight – Lens only TBD TBD | |
| External Dimensions -Lens only 170(L)x110(W)x 150(H) 245(L)x162(W)x 186(H) Please refer to M | CD |
| ¶ ELECTRICAL | |
| Power Input 12VDC, 1.0 A Nominal | |
| Communication Protocol RS-422/232 Full Duplex Baud rate 19,200, n, 8, 1 | |
| 6 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 | |

VALUE

