MWIR Continuous zoom - Commercial off the shelf lens

ZENITH800

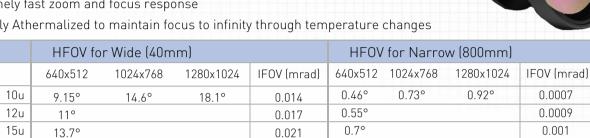
PARAMETER

MWIR 40-800mm F/3.4-4.0 Continuous zoom Lens for 1,280 x 1,024 x 10µ cooled detectors

FEATURES / APPLICATIONS / CAPABILITIES

- X20 optical zoom lens for HD 10µ sensors
- Focus is maintained through the entire zoom range providing extremely fast zoom and focus response
- Actively Athermalized to maintain focus to infinity through temperature changes

VALUE



NOTES

Main	Sub		
© OPTICAL			
Focal Length / F#		40-800mm F/3.4-4.0	F# determined by the detector.
			< 680mm F/3.4, <720mm F/3.6, <800mm
Detector (FPA) type / size		Up to 1,280 x 1,024 x 10μ	
Working Spectral Range		3 – 5µ	
Optical Coatings	All internal	High efficiency AR coating	
	Front surface	High Durability AR coating	DLC is available upon request
CSH		19-22mm	
☼ MECHANICAL			
Focus / Zoom mechanism		Motorized	
Focus Range		100 m – Infinity	
Trough zoom boresight		<0.15mm radius at focal plane	
NFOV boresight retention		<0.045mm radius at focal plane	
Total Weight		4.2Kg	
Ext. Dimensions ø x length (mm)		220 x 254	
■ ELECTRICAL			
Power Input		12VDC, 3.0A	
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	
Front lens sealing		IP67	
*All values are nominal: to within ±5%			

