MOSQUITO

MWIR 15-230mm F/3.6 Continuous zoom Lens for 640 x 512 x 10µ cooled detectors

Features:

- Ultra Compact and light weight lens
- ZERO BORESIGHT design for high accuracy demanding applications
- Focus is maintained throughout the entire zoom range, with extremely fast zoom and focus response

	HFOV for Wide (15mm)				HFOV for Narrow (230mm)			
	640x512	1024x768	1280x1024	IFOV	640x512	1024x768	1280x1024	IFOV
10u	24.1°			0.667	1.6°			0.043

Optical			
Focal Length / F#		15-230mm F/3.6	
Detector (FPA) type / size		Up to 640 x 512 x 10µ	
Working Spectral Range		3 - 5µ	
Optical Coatings	**All internal surfaces**	High efficiency AR coating	
	Front surface	High durability AR coating (DLC by request)	
CSH		12 ± 1mm	
Mechanical			
Focus / Zoom mechanism		Motorized, Single motor	
Through Zoom Boresight		≤0.075 mm radius at the focal plane	
NFOV Boresight Retention		≤0.03 mm radius at the focal plane	
Focus Range		WFOV 15m - Infinity	NFOV 30m - Infinity
Total Weight		280gr	
Ext. Dimensions ø x length (mm)		78 X 88	
Electrical			
Power Input		12VDC, 1.0 A	
Communication Protocol		RS-422/232 Full Duplex	
Environmental			
Operating / Storage Temperature		-25ºC to +55ºC / -40ºC to +70ºC	
Shock and Vibrations		Per applicable standard	
Front Lens Sealing		IP66 (IP67 by request)	

*IFOV is indicated in mrad
**All values are nominal: to within ±5%

RP OPTICAL LAB