## - MWIR HD Continuous zoom - commercial off the shelf lens

## →IRIS-BB330 & IRIS-BB660

18 – 330mm & 40 – 660mm MWIR F/3-4 Continuous zoom Lens for 10µ HD sensors

## FEATURES / APPLICATIONS / CAPABILITIES

- Highest resolution performance over entire zoom range
- Very high focal length zoom lens with X18 optical zoom
- Rugged design to comply with various applications
- Focus is maintained throughout the entire zoom range, with extremely fast zoom and focus response
- -Available with different types of front Beam Expander (x1.5, x2, x2.5)



PARAMETER	VALUE	NOTES
Main Sub		
OPTICAL	IRIS-BB330	IRIS-BB660
Focal Length / F#	18-330mm F/3-4	40-660mm F/3-4

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Focal Length / F#		18-330mm F/3-4	40-660mm F/3-4	
		Until 245mm F/3.0, until 280 F/3.4, until 300	Until 490mm F/3.0, until 560 F/3.4, until 600 F/3.6, until 660mm F/4.0	
D (FDA)		F/3.6, until 330mm F/4.0	1	
Detector (FPA) type / size		HD 1,280 x 1,024 x 10μ (12.8 x 10.24mm) with <b>19.4 or 28mm</b> CSH		
Working Spectral Range		3 – 5 µ		
FOV		Wide: 40.9°(H) x 32.8°(V)	Wide: 19°(H) x 14°(V)	
		Narrow: 2.3°(H) x 1.8°(V)	Narrow: 1.15°(H) x 0.9°(V)	
		For detector size of 12.8 x 10.24mm		
		All values are nominal: to within +/- 5% accuracy		
Optical Coatings	Internal surfaces	High efficiency AR coating	High efficiency AR coating	
	Front surface	High Durability AR	DLC	
Optical Total lens track		153mm	275mm	
Cold Stop distance		For IRIS-BB/19: 19.4 ± 1mm	For <i>IRIS-BB/28</i> : 28 ± 1mm	
Optical Back Focal Length		36 mm Nominal		
MECHAN	IICAL			
Mechanical Back Focal Length		22-32mm Nominal, refer to MICD.		
Zoom, Focus mechanism		Motorized		
Focus Range		25 – Infinity	50 – Infinity	
Total Weight (Nominal)		950gr	3kg	
Dimensions (Ø x Length)		95 x 125mm	200 x 220mm	
P ELECTRI	CAL			
Power Input		12VDC, 1.0 A	Nominal	
Communication Protocol		RS-422/232 Full Duplex	Baud rate 19,200, n, 8, 1	
<b>%</b> ENVIRON	NMENTAL			
Operating/Storage Temperature		-30°C to +50°C / -40°C to +70°C		
Shock and Vibrations		Per applicable standard		
Front lens sealing		IP66		
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