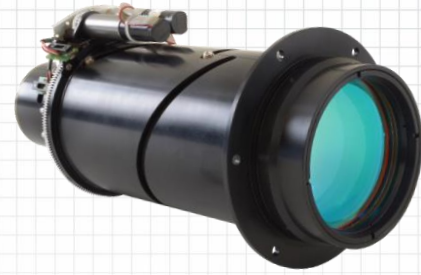


SWIR continuous zoom – Commercial off the shelf lens

CORAL

SWIR 30–300mm F/2.8-4.3 Continuous zoom Lens
for 640 x 512 x 15 μ detectors



FEATURES / APPLICATIONS / CAPABILITIES

- x10 Zoom ratio
- High-performance true SWIR zoom lens

	HFOV for Wide (30mm)			HFOV for Narrow (300mm)		
	640x512	1280x1024	IFOV (mrad)	640x512	1280x1024	IFOV (mrad)
10u	12.1°		0.019	1.22°		0.0019
15u	18.1°		0.028	1.83°		0.0028

PARAMETER		VALUE	NOTES
Main	Sub		

OPTICAL		
Focal Length / F#	30-300mm / F2.8 – 4.3	
Detector (FPA) type / size	Up to 640 x 512 x 15 μ	
Working Spectral Range	0.9-1.7 μ	
MECHANICAL		
Mechanical Back Focal Length	17.5mm	C-mount compatible
Focus / Zoom mechanism	Motorized	Motorized Iris diaphragm is included
Focus Range	10m / 100m – Infinity	For WFOV / NFOV accordingly
Through zoom boresight	\leq 0.15mm radius at focal plane	
NFOV boresight retention	\leq 0.075 mm radius at focal plane	
Total Weight	1.96Kg	
Ext. Dimensions \varnothing x length (mm)	84 x 268	
ELECTRICAL		
Power Input	12VDC, 1.0A	
Communication Protocol	RS-422/232 Full Duplex	
ENVIRONMENTAL		
Operating / Storage Temperature	-25°C to +55°C / -40°C to +75°C	
Shock and Vibrations	Per applicable standard	
Front lens sealing	IP66	IP67 By request

*All values are nominal: to within \pm 5%