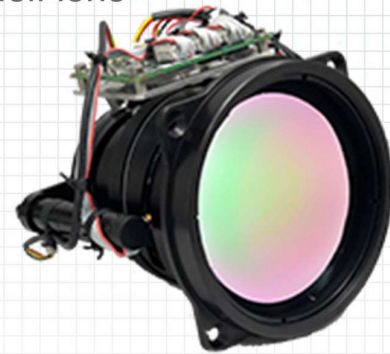


LWIR Continuous zoom – commercial off the shelf lens

ALDAN

Cooled LWIR 60-195mm F/2.24 Continuous zoom Lens with DSP controller



FEATURES / APPLICATIONS / CAPABILITIES

- Ultra Compact continuous zoom lens
- Suitable for various applications
- Rugged design for harsh environments

PARAMETER		VALUE	NOTES
Main	Sub		

🔍 OPTICAL			
Focal Length / F#		60 – 195mm F/2.24	Nominal values.
Detector (FPA) type / size		640 x 512 pixels x 15μ	Cooled detector with cold shield position at 22.2mm nominal.
Optical Spectral Range		7.5 – 9.5 microns	
FOV (degrees)		Wide FOV: 8.9 °(H) x 7.15° (V) Narrow FOV: 2.95°(H)x2.35°(V)	For detector size of 640 x 512 x 15μ
🔧 MECHANICAL			
Optical Coatings			
	All internal surfaces	High efficiency AR coating	More than 90% transmittance
	Front surface	High durability AR coating	DLC is available upon request
Optical Total lens track		90 mm	Front element vertex to FPA
Mechanical Back Focal Length		6.5 mm	Free air gap between rear flange of lens and detector glass.
Zoom mechanism/ Focus		Motorized	
Total Weight		840 grams	Nominal
External Dimensions		95 mm width x 94 mm length	
💡 ELECTRICAL			
Power Input		12VDC, 0.5 A	Nominal
Communication Protocol		RS-422/232 Full Duplex	Baud rate 19,200, n, 8, 1
🌍 ENVIRONMENTAL			
Operating/Storage Temperature		-20°C to +50°C / -30°C to +60°C	
Shock and Vibrations		Per applicable standard	
Front lens sealing		IP67	By default