

LWIR A-Thermal – commercial off the shelf lens

RP-15A11

15 mm F/1.1 LWIR A-Thermal Lens
for large FPA detectors

AVAILABLE
SOON

FEATURES / APPLICATIONS / CAPABILITIES

- True A-Thermal lens for -40°C to + 62°C temperature range
- Rugged design for harsh environments
- High sensitivity F# as low as 1.1, supporting multiple detector formats

PARAMETER		VALUE	NOTES
Main	Sub		
OPTICAL			
Focal Length / F#		15 mm F/1.1	Nominal values.
Detector (FPA) type / size		1024 x 768 pixles x17μ or smaller	8-12μ
FOV (degrees)		FOV: 62° (H)	1024 x 768 pixles x17 microns
Optical Coatings			
	All internal surfaces	High efficiency AR coating	Average transmission: 83%
	Front surface	DLC coating	Hi durability AR coating is optional
Optical Total lens track		72mm	
MECHANICAL			
Mechanical Back Focal Length		9mm to FPA	Assuming 1mm Ge cover glass
Total Weight		135 gram	Nominal
External Dimensions (ø x L)		46mm x 65mm	
Mount/ Mechanical Interface		Please refer to MICD	Custom interfacing, available upon request
ENVIRONMENTAL			
Operating Temperature		-40°C to +62°C	A-Thermal over the entire working range
Storage Temperature		-40°C to +70°C	
Shock and Vibrations		Per applicable standard	
Front lens sealing		IP67	

