

LWIR A-Thermal – commercial off the shelf lens

RP-17A07

17 mm F/0.7 LWIR fast A-Thermal Lens
for long wave 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 0.7, supporting multiple detector formats

PARAMETER		VALUE	NOTES
Main	Sub		
🔍 OPTICAL			
Focal Length / F#		17 mm F/0.7	Nominal values.
Detector (FPA) type / size		640 x 480 pixles x17μ or smaller	8-12μ
FOV (degrees)		FOV: 35.5° (H)	640 x 480 pixles x17 μ
Optical Coatings			
	All internal surfaces	High efficiency AR coating	
	Front surface	DLC coating	Hi durability AR coating is optional
Optical Back Focal Length		5.24mm	
⚙️ MECHANICAL			
Total Weight		110 grams	Nominal
External Dimensions		42mm diameter x 48mm length	
🌍 ENVIRONMENTAL			
Operating Temperature		-30°C to +70°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	

