

-- MWIR mono-focal for HD detectors – commercial off the shelf lens

RP-BLM250

MWIR 250 mm F/2.5 mono-focal  
Lens for High Definition detectors



FEATURES / APPLICATIONS / CAPABILITIES

- Super High performances lens
- Supports also HD F/4 detectors

PARAMETER		VALUE	NOTES
Main	Sub		

**OPTICAL**

Focal Length / F#	250mm F/2.5	Nominal values. Supports also F/4 detectors. Cold stop height at 28.0 mm – nominal value.	
Detector (FPA) type / size	1,920 x 1,536 x 10 microns 1,280 x 1,024 x 15 microns		
FOV (degrees)	4.4°(H) x 3.5° (V)		
<b>Optical Coatings</b>			
	All internal surfaces	High efficiency AR coating	Average transmission: 78%
	Front surface	High durability AR coating	DLC is available upon request
Optical Total lens track	272mm	Preliminary value	
Optical Back Focal Length	Approx 33mm		

**MECHANICAL**

Mechanical Back Focal Length	TBD	
Focus mechanism	Motorized	
LOS shift during focusing	0.05 mm on PFA	Typical value
Focus indication position	Included	Thru encoder of motor and opto-switch.
Total Weight	~ 1.5Kg	Preliminary Value
Structure	Open frame	
External Dimensions	124mm diameter x 225mm Length	

**ELECTRICAL**

Power Input	12VDC, 0.5 A	Nominal
Communication Protocol	RS-422/232 Full Duplex	Default is RS422; Baud rate 19,200, n, 8, 1

**ENVIRONMENTAL**

Operating/Storage Temperature	-25°C to +55°C / -30°C to +70°C	
Shock and Vibrations	Per applicable standard	
Front lens sealing	IP66	IP67 By request

