

LWIR OPTICS

MANUAL FOCUS



61 mm f/1.05, Manual Focus



122 mm f/1.25, Manual Focus



150 mm f/1.6, Manual Focus

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61 mm f/1.05, Manual Focus (LWIR)

HFOV [deg]	160 x 120	320 x 240	384 x 288	640 x 480	1024 x 768
50μ	7.50				
38μ	5.70				
35μ	5.25				
30μ	4.50	9.00			
28μ	4.20	8.40			
25μ	3.75	7.50	9.00		
17μ	2.55	5.10	6.12		

Optical Parameters

Focal Length	60.9mm
F/#	1.05
Transmission	~89%
Horizontal Field of View (HFOV)	9° (9.6mm)

Mechanical Properties

Focus Mechanism	Manually adjustable
Focus Range	20m to infinity
Weight	330gr
Outer Dimensions	Ø89 - 77 mm



122 mm f/1.25, Manual Focus (LWIR)

HFOV [deg]	160 x 120	320 x 240	384 x 288	640 x 480	1024 x 768
50μ	3.75				
38μ	2.85				
35μ	2.63				
30μ	2.25	4.50			
28μ	2.10	4.20			
25μ	1.88	3.75	4.50		
17μ	1.28	2.55	3.06		

Optical Parameters

Focal Length	121.8mm
F/#	1.251
Transmission	~89%
Horizontal Field of View (HFOV)	4.5° (9.6mm)

Mechanical Properties

Focus Mechanism	Manually adjustable
Focus Range	30m to infinity
Weight	671gr
Outer Dimensions	Ø114 - 104 mm



150 mm f/1.6, Manual Focus (LWIR)

HFOV [deg]	320 x 240	480 x 384	640 x 512
30μ	15.00	22.50	
25μ	12.50	18.75	25.00
15μ	7.50	11.25	25.00

Optical Parameters

Focal Length	150mm
F/#	1.6
Transmission	~81%
Horizontal Field of View (HFOV)	6°

Mechanical Properties

Focus Mechanism	Manually adjustable
Focus Range	30m to infinity
Weight	2720gr
Outer Dimensions	Ø133 - 163mm

Specifications are subject to change without any notice. | All tolerances are within ±10%.

