

LightIR 16-180mm f/3.6, Motorized Continuous Zoom 680389

NEW



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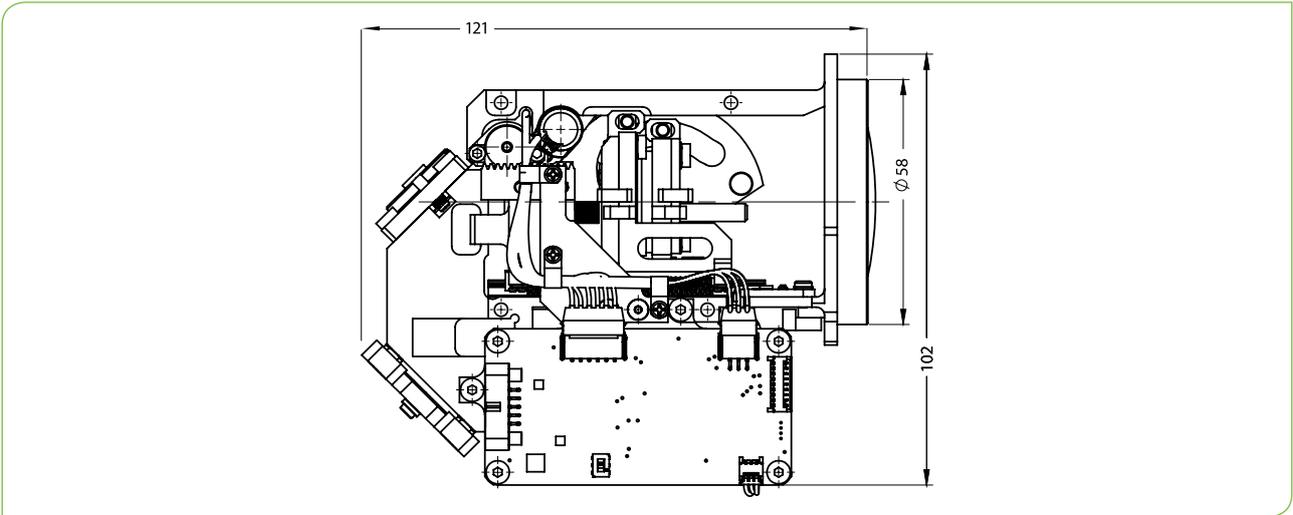
WFOV(16mm)

HFOV	640x480
10μ	22.6°

NFOV(180mm)

HFOV	640x480
10μ	2°

Property	Value	
Optical	WFOV	NFOV
Focal Length	16mm	180mm
F/#	3.6	3.6
Average transmission (3.4-4.2μm)	≥80% (LRHC); >82% (HD)	
Cold stop to FPA Distance	12mm	
Cold Stop CA	Ø3.37mm	
Back Focal Length	23.08mm in air	
Distortion (in diagonal)	<2%	<2%
Minimum Focusing Range	5m	50m
Nuc (by defocus)	Blur to 7mm diameter	
Mechanical		
Focus Mechanism	Motorized. Adjustable	
Focus Time (minimum range to ∞)	≤8 sec.	
Zoom Time (NFOV to WFOV)	≤8 sec.	
Weight	460gr	
Max. Dimensions	Length 121mm; Width 70mm; height 102mm	



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Property	Value
Electrical	
Lens Control	Designated lens controller
Drive Voltage	6-12VDC
Current Consumption	< 0.5A average, 1.0A peak
Communication Protocol	RS422
Environmental	
Operation Temperature	-32°C to +75°C
Storage Temperature	-54°C to +85°C
Sealing	IP67 front lens only
Configurations	
680389-001	High Durability
680389-002	Low Reflection Hard Carbon