

# SupIR 80-1200mm f/5.5, Motorized Continuous Zoom 680478

MWIR | ZOOM



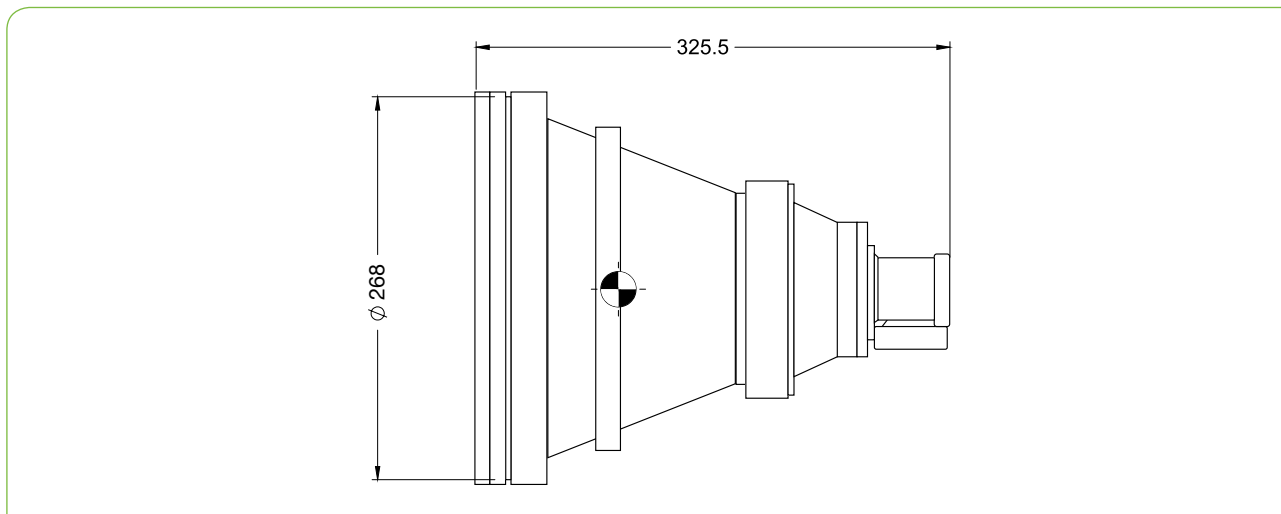
## WFOV (80mm)

HFOV	640x512
15 $\mu$	7.1°

## NFOV (1200mm)

HFOV	640x512
15 $\mu$	0.5°

Property	Value	
<b>Optical</b>	<b>WFOV</b>	<b>NFOV</b>
Focal Length	80mm	1200mm
F#	5.5	
Average transmission (3.4-5.0 $\mu$ m)	$\geq 80\%$ (LRHC) / $\geq 85\%$ (HD)	
Cold stop to FPA Distance	19.7mm	
Cold Stop CA	$\varnothing 3.52$ mm	
Back Focal Length	23.52mm in air	
Minimum Focusing Range	5m	220m
Nuc (by defocus)	Yes	
<b>Mechanical</b>		
Focus Mechanism	Motorized	
Focus Time (minimum range to $\infty$ )	$\leq 8$ sec.	
Zoom mechanism	Motorized	
Zoom Time (NFOV to WFOV)	$\leq 5$ sec	
Max. Dimensions	$\varnothing 268$ mm x 325.5mm	
Weight	7.4kg	



Property	Value
<b>Electrical</b>	
Lens Control	Designated lens controller
Drive Voltage	12V
Current Consumption	0.5A average, 1.0A peak at $T = -32^{\circ}\text{C}$ ; 0.2A average, 1.0A peak at $T \geq 20^{\circ}\text{C}$
Communication Protocol	RS458, RS422
<b>Environmental</b>	
Operation Temperature	$-32^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Storage Temperature	$-54^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
Sealing	IP67 front element only
<b>Configurations</b>	
680478-001	High Durability
680478-002	Low Reflection Hard Carbon**

\* NOTE: The ICD drawing provided here is primarily a representation and may not accurately reflect the product's actual dimensions and specifications. For precise integration specifications contact your local sales representative.

\*\* For detailed LRHC coating specifications see page 13