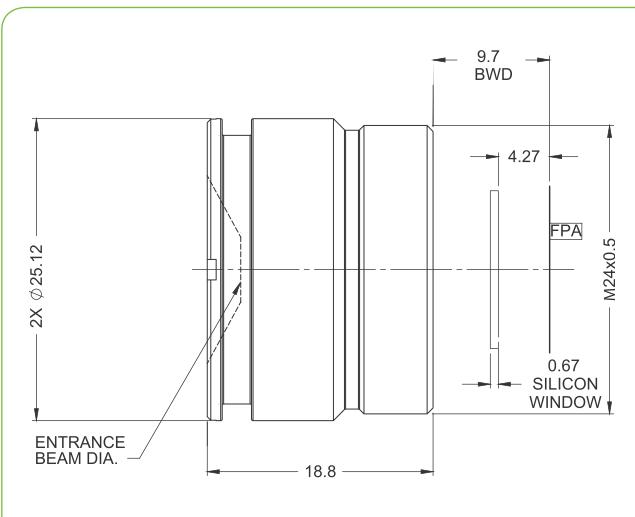


# SupIR 7.5mm f/1.4, Fixed Athermalized 680143



**HD  
FORMAT**

TYPICAL ICD\*



HFOV	320x240	384x288	640x480
17 $\mu$	42.1°	51.0°	90.2°
12 $\mu$	29.5°	35.5°	60.6°

Property	Value				
<b>Optical</b>					
Focal Length	7.5mm				
F#	1.4				
Average transmission (8-12 $\mu$ m)	89% (HC)				
Back Focal Length	11.97mm in air				
<b>Mechanical</b>					
Focus Mechanism	Fixed				
Depth of Field	2m to infinity				
Focus Range	0.2m to infinity				
Weight	see configurations table below				
Max. Dimensions	see configurations table below				
<b>Environmental</b>					
Operation Temperature	-40°C to +80°C				
Storage Temperature	-55°C to +85°C				
Sealing	IP 67 front element only				
Configurations	Weight (gr)	Dimensions	BWD**	Thread	Coating
680143-003	45	Ø34.9mm x 18.8mm		M34x0.5	
680143-006	21	Ø25.12mm x 18.8mm	9.7	M24x0.5; d = 6.16mm	HC
680143-007		Ø24.4mm x 18.8mm		M24x0.5; d = 3.3mm	
680143-008	50	Ø34.9mm x 22.1mm	6.64	M34x0.5	HC

\* 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.

\*\* The BWD value is calculated for a unique detector setup with varying sealing windows in terms of thickness and material. For more details, contact your local sales representative.