

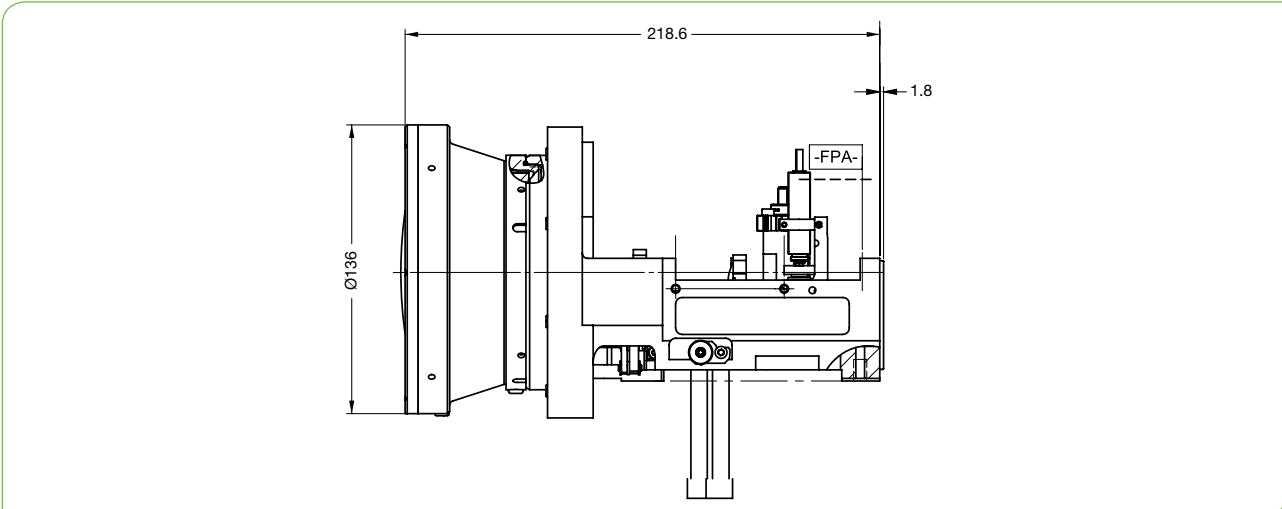
# SupIR 35/110/450mm f/4.0, Motorized Focus 680374



**HD  
FORMAT**

WFOV(35mm)			
HFOV	640x512	1280X1024	
15 $\mu$		15.2°	
MFOV(110mm)			
HFOV	640x512	1280X1024	
15 $\mu$		4.9°	
10 $\mu$		6.4°	
NFOV(450mm)			
HFOV	640x512	1280X1024	
15 $\mu$		1.2°	
10 $\mu$		1.6°	

Property	Value		
Optical	WFOV	MFOV	NFOV
Focal Length	35mm	110mm	450mm
F/#	4.0		
Average Transmission (HD) (3.4-5 $\mu$ m)	83%	85%	88%
Average Transmission (HC) (3.4-5 $\mu$ m)	81%	83%	86%
Cold stop to FPA Distance	19.4mm		
Cold stop CA	Ø4.85mm		
Back Focal Length	26.53mm in air		
Minimum Focusing Range	5m	10m	50m
Mechanical			
Focus Mechanism	Motorized		
Focus Time (Full travel)	$\leq$ 5.5 sec.		
FOV Switch Mechanism	Motorized		
FOV Switch Time	$\leq$ 1 sec. at T $\geq$ 0°C; $\leq$ 2 sec. at -40°C		
Through-zoom Boresight WFOV	Within Diameter of 0.3mm		
Through-zoom Boresight NFOV&MFOV	Within Diameter of 0.12mm		
Weight	2.4kg		
Max. Dimensions	Ø136mm x 218.6mm		



Property	Value
<b>Electrical</b>	
Focus Motor	7.5VDC < 0.06A (Contin. Current 0.05A) -32°C++65°C, with 6V+12V. -40°C++65°C, with 7.5V+12V.
Drive Voltage	7.5V-12V
Current Consumption	0.05A Average, 0.06A peak
FOV Motor	7.5VDC < 0.06A (Contin. Current 0.05A) -32°C++65°C, with 6V+12V. -40°C++65°C, with 7.5V+12V.
<b>Environmental</b>	
Operating Temperature	-40°C to +65°C
Storage Temperature	-54°C to +71°C
Sealing	IP 67 front element only
Vibration-Operation	Composite wheeled vehicle, Vertical: 2.1grms, Transverse: 1.6grms, Longitudinal: 1.96grms
Vibration-Storage	Composite wheeled vehicle, Vertical: 2.1grms, Transverse: 1.6grms, Longitudinal: 1.96grms
Mechanical Shock-Storage & Storage	40g, 11ms
<b>Configurations</b>	
680374-001	HD, 640x512 pixels, 15µ pitch, BWD**=8mm
680374-002	HC, 640x512 pixels, 15µ pitch, BWD**=8mm

\* 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.