

SupIR 60-1200mm f/4, Motorized Continuous Zoom 680475 / 680476



HD
FORMAT

WFOV

HFOV	640x512	1280x720	1280x1024
60mm	87mm	100mm	
15 μ	8.6°		
10 μ		7.6°	6.8°

NFOV (900mm)

HFOV	640x512	1280x720	1280x1024
15 μ	0.5°		
10 μ		0.6°	0.6°

Property

Value

Optical

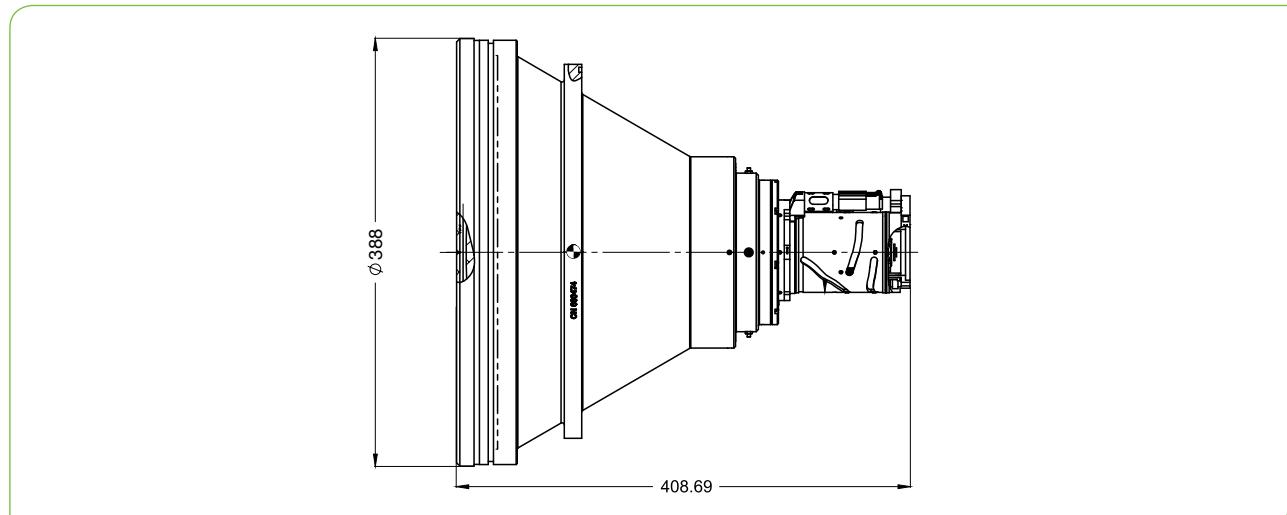
	WFOV	NFOV
Focal Length	60mm	1200mm
F#	4	
Average transmission (3.4-5.0 μ m)	$\geq 70\%$ (LRHC)	
Cold stop to FPA Distance	19.4mm (680475) / 20.5mm (680476)	
Cold Stop CA	4.85mm (680475) / 5.125mm (680476)	
Back Focal Length	23.3mm in air (680475) / 26.2mm in air (680476)	
Minimum Focusing Range	<5m	<200m
Nuc (by defocus)	Yes	

Mechanical

Focus Mechanism	Motorized
Focus Time (minimum range to ∞)	≤ 1 sec.
Zoom mechanism	Motorized
Zoom Time (NFOV to WFOV)	≤ 5 sec. at -32°C ; ≤ 4 sec. at $T \geq 20^{\circ}\text{C}$ (at max speed)
Max. Dimensions	$\varnothing 388\text{mm} \times 409.2\text{mm}$
Weight	14.6kg

Electrical

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 $T \geq 20^{\circ}\text{C}$



Property	Value					
Electrical						
Communication Protocol	RS422					
Environmental						
Operation Temperature	-32°C to +75°C					
Storage Temperature	-54°C to +85°C					
Sealing	IP67 front element only					
Configurations	Description	FPA	Pixel Pitch	CSH	Coating	
680475-001	60-1200mm	640x512	15 μ		HD	
680475-002					LRHC**	
680475-003				19.4mm	HD	
680475-004	100-1200mm	1280x1024	10 μ		LRHC**	
680475-005					HC Hydrophobic	
680475-006					HD Hydrophobic	
680476-001	60-1200mm	640x512	15 μ		HD	
680476-002					LRHC**	
680476-003				20.5mm	HD	
680476-004	87-1200mm	1280x720	10 μ		LRHC**	
680476-005					HC Hydrophobic	
680476-006					HD Hydrophobic	

* 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