SupIR 30-600mm f/4.0*, Motorized Continuous Zoom 680384 / 680385



WFOV (30mm)

HFOV	640x512		
15µ	17.2°		
10µ	-		

WFOV (60mm)

HFOV	1280X1024
10µ	11.4°

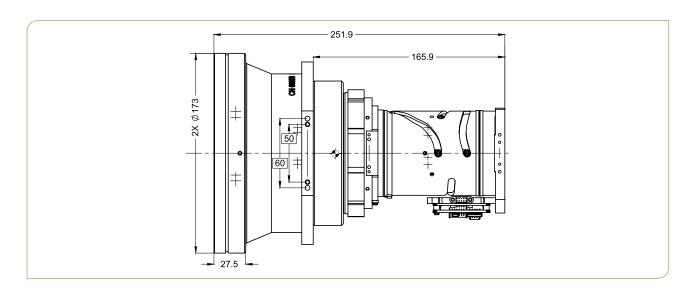
NFOV (600mm)

HFOV	640x512	1280X1024
15µ	0.9°	
10µ	-	1.2°

Property		Value			
Optical		WFOV	NFOV		
Focal Length		30mm	600mm		
F/#		4.0			
Average transmission (3.4-5µm)		92% (HD)			
	Based on Zoom Lens:	15-300mm f/4 680084			
680384	Cold stop to FPA Distance	19.4mm			
000304	Cold Stop CA	Ø4.85mm			
	BFL	23.3mm in air			
	Based on Zoom Lens:	15-300mm f/4 680204			
680385	Cold stop to FPA Distance	20.47mm			
000303	Cold Stop CA	Ø5.1			
	BFL	26.2mm in air			
Minimum Focus Range		5m 200m			
Nuc (by defocus)		By defocus (blur to 3mm diameter)			
Mechanical					
Focus Mechanism		Motorized			
Focus Time (minimum range to ∞)		≤1 sec.			
Zoom Mechanism		Motorized			
Zoom Time (NFOV to WFOV)		≤7 sec. at -32°C; ≤5 sec. at T≥ 0°C			
Through-zoom boresight		Within a radius of 0.22 mm at the focal plane along the full zoom range			
Mechanical					
Weight		3.1kg			
Max. Dimensions		Ø173mm x 251.9mm			

 $^{^{\}star}$ For 10 μm SXGA detectors, the EFL is 60-600mm





Property			Value			
Electrical						
Lens Control	Designated lens controller					
Supply Voltage	12V					
Current Consumption	0.5A average, 1.0A peak					
Communication Protocol			RS422			
Environmental						
Operation Temperature			-32°C to +	75°C		
Storage Temperature	re -54°C to +85°C					
Sealing	IP 67 front element only					
Configurations	Description	FPA	Pixel Pitch	CSH	Coating	
680384-001	— 30-600mm	640x512	15µ		High Durability	
680384-002		040/012	τομ		Low Reflection Hard Carbon**	
680384-003	- - 60-600mm -	1280x1024		- 19.4mm	High Durability	
680384-004			10μ		Low Reflection Hard Carbon**	
680384-005					High Durability Hydrophobic	
680384-006					Hard Carbon Hydrophobic	
680385-001	- - 30-600mm -	640x512	15µ	– 20.5mm	High Durability	
680385-002		0408312			Low Reflection Hard Carbon**	
680385-003		— 1280x1024	10μ		High Durability	
680385-004					Low Reflection Hard Carbon**	
680385-005	- 60-600mm				High Durability Hydrophobic	
680385-006	00-00011111				Hard Carbon 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.

 $^{^{\}star\star}$ For detailed LRHC coating specifications see page 13

