

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



HD
FORMAT

WFOV

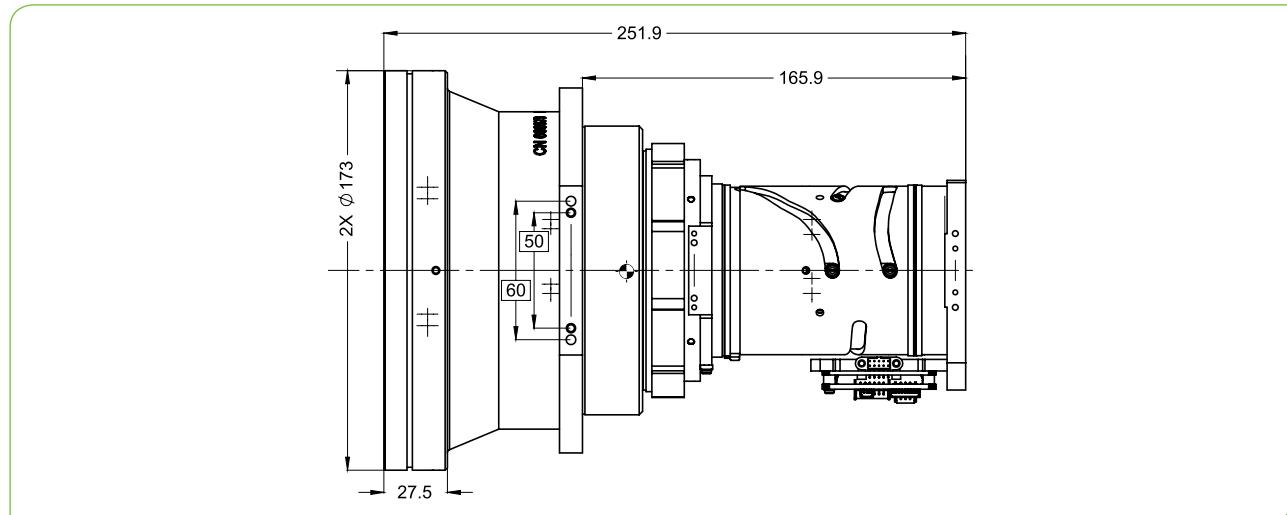
HFOV	640x512	1280x720	1280x1024
	30mm	46mm	60mm
15μ	17.2°		
10μ		14.6°	11.4°

NFOV (600mm)

HFOV	640x512	1280x720	1280x1024
15μ	0.9°		
10μ		1.2°	1.2°

Property	Value				
Optical	WFOV	NFOV			
Focal Length	30mm	600mm			
F/#	4.0				
Average transmission (3.4-5 μ m)	92% (HD)				
680384	Based on Zoom Lens:	15-300mm f/4 680084			
	Cold stop to FPA Distance	19.4mm			
	Cold Stop CA	Ø4.85mm			
	BFL	23.3mm in air			
680385	Based on Zoom Lens:	15-300mm f/4 680204			
	Cold stop to FPA Distance	20.47mm			
	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 ∞)	\leq 1 sec.				
Zoom Mechanism	Motorized				
Zoom Time (NFOV to WFOV)	\leq 5 sec. at -32°C; \leq 4 sec. at T \geq 20°C (at max speed)				
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				

* For 10 μ m 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	-54°C to +85°C				
Sealing	IP 67 front element only				
Configurations	Description	FPA	Pixel Pitch	CSH	Coating
680384-001	30-600mm	640x512	15 μ	19.4mm	HD
680384-002					LRHC**
680384-003				20.5mm	HD
680384-004	60-600mm	1280x1024	10 μ		LRHC**
680384-005				20.5mm	HD Hydrophobic
680384-006					HC Hydrophobic
680385-001	30-600mm	640x512	15 μ	20.5mm	HD
680385-002					LRHC**
680385-003				20.5mm	HD
680385-004	46-600mm	1280x720	10 μ		LRHC**
680385-005				20.5mm	HD Hydrophobic
680385-006					HC 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