

# SupIR 15-300mm f/4.0, Motorized Continuous Zoom 680084 / 680204



**HD  
FORMAT**

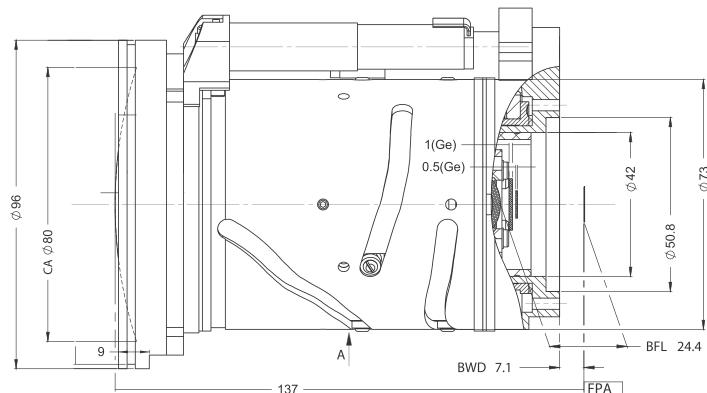
## WFOV (15mm)

HFOV	640x512	1280x720	1280x1024
15 $\mu$	35.1°		
10 $\mu$		45.0°	45.0°

## NFOV (690mm)

HFOV	640x512	1280x720	1280x1024
15 $\mu$	1.8°		
10 $\mu$		2.4°	2.4°

Property	Value	
<b>Optical</b>	<b>WFOV</b>	<b>NFOV</b>
Focal Length	15mm	300mm
F/#	4.0	
Average Transmission (3.4-5.0 $\mu$ m)	94% (HD) / 92% (HC)	
Minimum Focus Range	5m	50m
680084	Cold stop to FPA distance Cold stop CA BFL	19.4mm Ø4.85mm 23.3mm in air
680204	Cold stop to FPA distance Cold stop CA BFL	20.5mm Ø5.1mm 26.2mm in air
Nuc (by defocus)	Yes	
<b>Mechanical</b>		
Focus Mechanism	Motorized	
Focus Time (minimum range to $\infty$ )	$\leq$ 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 0.25mm at the focal plane	
Weight	990gr	
Max. Dimensions	Ø96mm x 130mm	
<b>Electrical</b>		
Lens Control	Designated lens controller	
Supply Voltage	12V	



Property	Value				
<b>Electrical</b>					
Current Consumption	0.5A average, 1.0A peak at T= - 32°C; 0.2A average, 1.0A peak at T ≥ 20°C				
Communication Protocol	RS422				
<b>Environmental</b>					
Operating Temperature	-32°C to + 80°C				
Storage Temperature	-54°C to + 85°C				
Sealing	IP 67 front element only				
Configurations	Description	FPA	Pixel Pitch	CSH	Coating
680084-001					HD
680084-002					HC
680084-018			20 $\mu$		HD Hydrophobic
680084-021				19.4mm	HC Hydrophobic
680084-003	15-300mm	640x512			HD
680084-004			15 $\mu$		LRHC
680204-001					HD
680204-002					HC
680204-011					HD
680204-012					LRHC**
680204-014	15-300mm	1280x1024	10 $\mu$	20.5mm	High Efficiency
680204-017					HD Hydrophobic
680204-018					HC Hydrophobic
680204-019					LRHC 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