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



HD
FORMAT

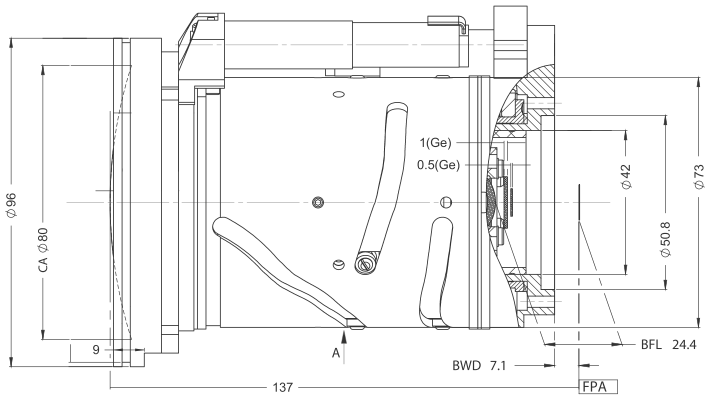
WFOV (15mm)

HFOV	640x512	1280x720	1280x1024
15µ	35.1°		
10µ		45.0°	45.0°

NFOV (300mm)

HFOV	640x512	1280x720	1280x1024
15µ	1.8°		
10µ		2.4°	2.4°

Property		Value	
Optical		**WFOV**	**NFOV**
Focal Length		15mm	300mm
F/#		4.0	
Average Transmission (3.4-5.0µm)		94% (HD) / 92% (HC)	
Minimum Focus Range		5m	50m
680084	Cold stop to FPA distance	19.4mm	
	Cold stop CA	Ø4.85mm	
	BFL	23.3mm in air	
680204	Cold stop to FPA distance	20.5mm	
	Cold stop CA	Ø5.1mm	
	BFL	26.2mm in air	
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≥ 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	
Electrical			
Lens Control		Designated lens controller	
Supply Voltage		12V	



Property	Value
Electrical	
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
Environmental	
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	15-300mm	640x512	20µ	19.4mm	HD
680084-002					HC
680084-018					HD Hydrophobic
680084-021					HC Hydrophobic
680084-003			15µ		HD
680084-004					LRHC
680204-001				20.5mm	HD
680204-002					HC
680204-011	15-300mm	1280x1024	10µ		HD
680204-012					LRHC**
680204-014					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 16