

SupIR 45-900mm f/4.0*, Motorized Continuous Zoom 680425 / 680426



**HD
FORMAT**

WFOV

HFOV	640x512	1280x720	1280x1024
	45mm	63mm	72mm
15μ	11.4°		
10μ		10.6°	9.3°

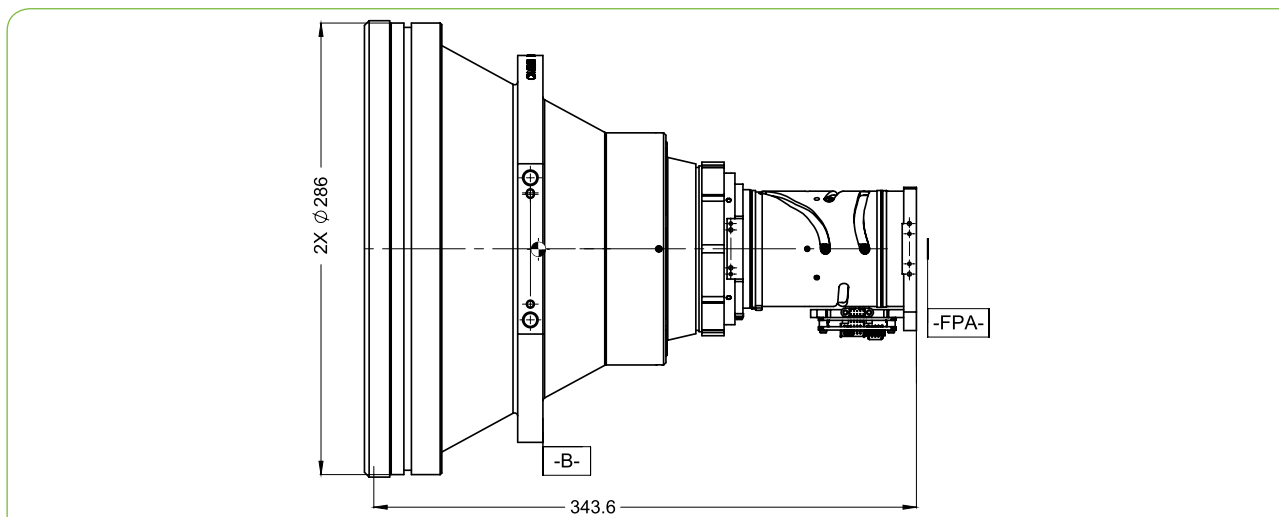
NFOV (900mm)

HFOV	640x512	1280x720	1280x1024
15μ	0.6°		
10μ		0.8°	0.8°

Property		Value	
Optical		WFOV	NFOV
Focal Length		45mm/72mm**	900mm
F/#		4.0	
Average transmission (3.4-5μm)		89% (HD) / 87% (LRHC)	
680425	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	
680426	Based on Zoom Lens:	15-300mm f/4 680204	
	Cold stop to FPA Distance	20.5mm	
	Cold Stop CA	Ø5.1mm	
	BFL	26.2mm in air	
Minimum Focus 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≥20°C (at max speed)	
Through-zoom boresight		Within a radius of 0.22 mm at the focal plane along the full zoom range	
Weight		7kg	
Max. Dimensions		Ø286 x 343.6mm	

* For 10μm SXGA detectors, the EFL is 72-900mm. See product configuration 680425-007/6 & 680426-005/6.

** For configurations 680425-007/6 & 680426-005/6



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
680425-008	45-900mm	640x512	15μ	19.4mm	LRHC**
680425-009					HD
680425-013					HC Hydrophobic
680425-006	72-900mm	1280x1024	10μ	19.4mm	LRHC**
680425-007					HD
680425-010					HC Hydrophobic
680425-011					HD Hydrophobic
680426-005	63-900mm	1280x720	10μ	20.5mm	LRHC**
680426-006					HD
680426-007	45-900mm	640x512	15μ	20.5mm	LRHC**
680426-008					HD
680426-009	63-900mm	1280x720	10μ		HD Hydrophobic
680426-010					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