

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



HD
FORMAT

WFOV

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

NFOV (900mm)

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

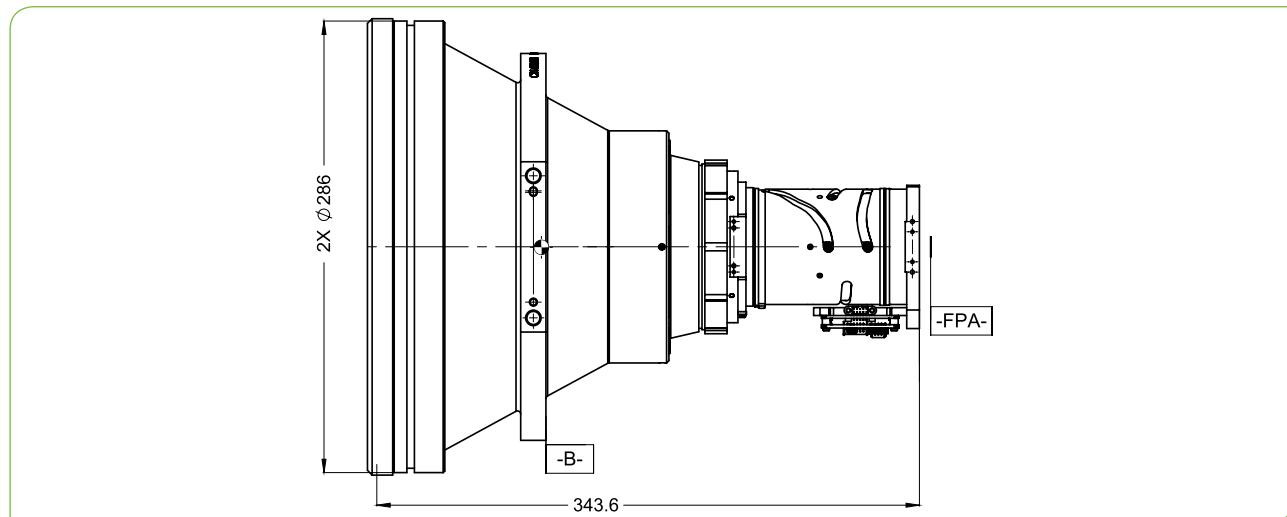
Property

Value

Optical	WFOV	NFOV
Focal Length	45mm/72mm**	900mm
F/#	4.0	
Average transmission (3.4-5 μ m)	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 ∞)	\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	
Weight	7kg	
Max. Dimensions	Ø286 x 343.6mm	

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