

SupIR 26-105mm f/1.6

Motorized Continuous Zoom

P/N 680320



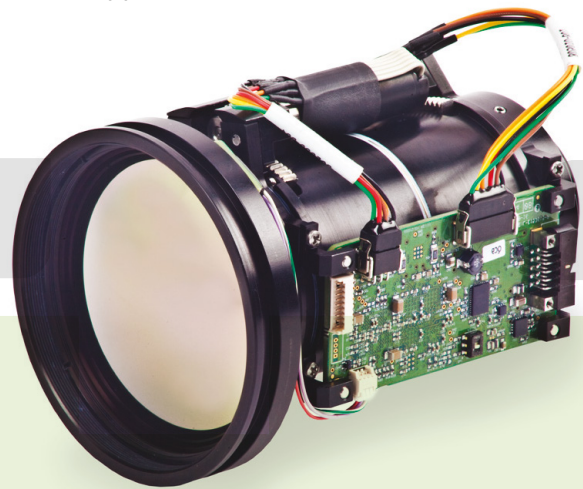
Where affordability meets design

Ophir, whose decades of expertise in research and design is incorporated into its broad portfolio of top-quality long-range zoom lenses for every application, is introducing a budget-range continuous zoom lens that doesn't compromise on performance.

The SupIR 26-105mm f/1.6 LWIR is equipped with world renowned zoom technology and rivals any commercially available parallel product. The lens is ideal for security & surveillance, homeland security, border control and maritime applications.

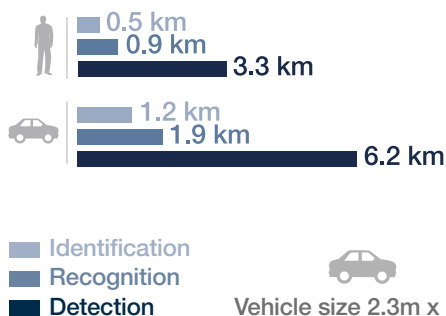
Product Features

- Zoom ratio X4
- Optimized for LWIR 17 μ m detectors
- Easy integration and operation
- Available with high durability (HD), and hard carbon (HC) coating
- Maximum performance at minimal price

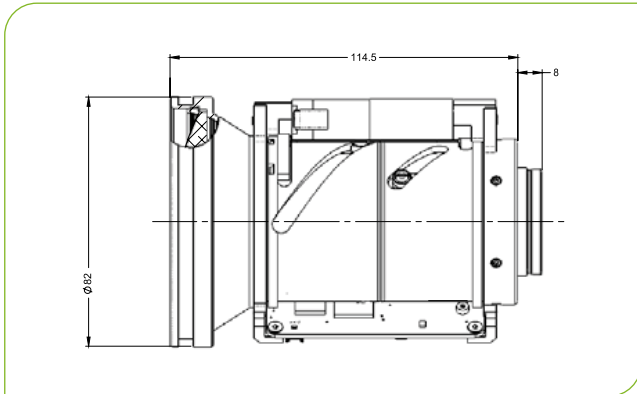


Applications

- Security
- Surveillance
- Homeland
- Boarder control
- Maritime



Note: Calculated values real world performance may vary depending on the weather conditions.



WFOV (26mm)

HFOV	320x240	384x288	640x480	1024x768
25 μ	18.5°	22.3°	38.0°	
17 μ	12.5°	15.0°	25.3°	
12 μ	8.8°	10.3°	17.7°	28.7°

NFOV (105mm)

HFOV	320x240	384x288	640x480	1024x768
25 μ	4.4°	5.2°	8.7°	
17 μ	3.0°	3.6°	5.9°	
12 μ	2.1°	2.5°	4.2°	6.7°

Property	Value	
Optical	WFOV	NFOV
Focal Length	105mm	26mm
F#	1.6	
Average transmission (8-12 μ m)	89.4% (HD) / 82.8% (HC)	
Back Focal Length	37.7 mm in air	
Distortion (in diagonal)	<3%	<0.3%
Minimum Focus Range	15m	15m
Nuc (by defocus)	Yes	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	\leq 5 sec.	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	\leq 8 sec.	
Max. Dimensions	Ø82mm x 122.5mm	
Weight	<575gr	
Electrical		
Lens Control	Designated lens controller	
Drive Voltage	6-12VDC	
Current Consumption	< 0.8A average, 1.5A peak	
Communication Protocol	RS422 or RS232	
Environmental		
Operation Temperature	-32°C to +70°C	
Storage Temperature	-40°C to +80°C	
Sealing	IP 67 front element only	
Configurations		
680320-001	High Durability	
680320-002	Hard Carbon	

*Adapters for different cameras are available upon request

