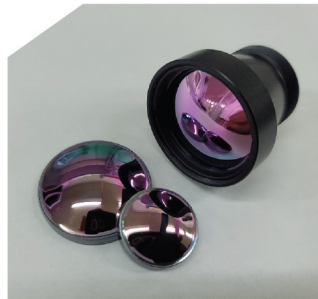


ViewNyx

Athermalized fixed focus

o Molded LWIR Lens FL 25.0 mm f/1.0 (Model VN2510)

Introduction



- **Precision molded LWIR lenses using chalcogenide glass**
High-volume, cost effective manufacturing
Optimized for the 8~12 um wavelength range
- **High performance LWIR lenses**
FL 25.0 mm, f/1.0 lens
Use of diffractive-aspheric lens
Ultralight, wide-angle, VGA and qVGA lens
- **Suitable for use with VGA and qVGA detector and smaller**
- **Applications and capabilities**
Thermal imaging and thermography
Drone thermal imaging

Optical Specifications

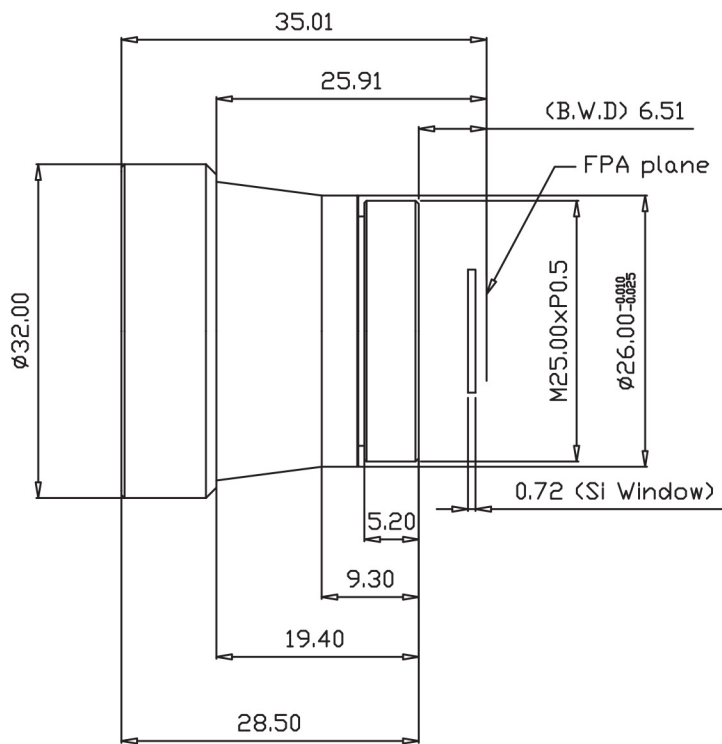
- **Focal length** 25.0 mm
- **Aperture-based f-number** f/1.0
- **Maximum image circle** 11 mm
- **Waveband** 8~12 um
- **Focus range** 6.5 m to infinity
- **Transmittance** > 95 % (AR coating)
> 90 % (DLC coating)
- **Field of view (FOV)**

Sensor array	Pixel size (um)	FOV (deg)		
		H	V	D
640 X 480	17	24.5	18.5	30.7
	12	17.4	13.1	21.7
384 X 288	17	14.8	11.2	18.5
	12	10.5	7.9	13.1
320 X 240	17	12.4	9.3	15.6
	12	8.8	6.6	11.0

Note : Each lens is optimized for a specific detector format represented by bold values.
This table shows values for other compatible detector formats with non-optimal performance.

Mechanical Specifications

- Lens mount Threaded (M25 x P0.5)
- Weight 32.2 g
- Sealing IP67 / on front
- Dimension



Environmental Specifications

- Operating temperature $-35 \sim +60^{\circ}\text{C}$
- Storage temperature $-55 \sim +85^{\circ}\text{C}$