

SirZ

MirZ

LirZ

BirZ

SirZ 25L SWIR 25mm F/1.4 Fixed Focal Lens

SirZ Series, Suitable for 0.9 – 1.7 μ m Detectors (SWIR)



Key Features:

- SWIR lenses deliver higher performance than standard visible lenses when using SWIR cameras
- Fits 20.5mm Diagonal
- The SWIR spectrum is an ideal choice for a variety of applications, including:
 - Solar cell inspection
 - Imaging through fog
 - Glass processing
 - Security
 - Biomedical imaging

SirZ 25L Specifications:

Optical Specifications (nominal values)

Focal Length	25mm
F/#	f/1.4
Spectral Range	0.9 - 1.7 microns
Image Format	640 x 512 pixels, 25 µm pixel size
Image Diagonal	20.5mm
Back Focal Length	11.9mm
Cold Stop to FPA Distance	N/A
Average Transmission (All elements AR coated)	≥ 93%
Horizontal FOV	32.62°
Distortion	< 2%
On-Axis MTF	≥ 40% at 25 lp/mm theoretical
MOD	5 meters

Mechanical Specifications

Max Dimensions	Length = 80mm, Front OD = 40mm
Focus/Zoom Mechanisms	Manual
Zoom Time (WFOV to NFOV)	N/A
Through-Zoom Boresight	N/A
Weight	215 grams
Mount	C Mount
Operating Temperature	-30 °C to +60°C
Storage Temperature	-40°C to + 80°C

SirZ 25L Field Of View Data:

FOV (25mm)

HFOV	320x240	480x384	640x512
30 microns	21.01		
20 microns	17.74	25.64	32.62
15 microns	10.87	16.07	21.01