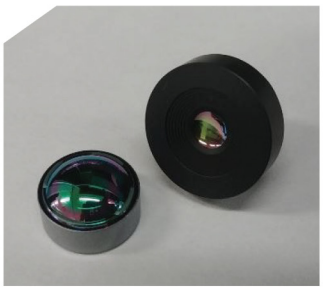
ViewNyx
Athermalized fixed focus

Molded LWIR Lens FL 6.7 mm f/1.3 (Model VN6.713)

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 6.7 mm, f/1.3 lens
  Use of diffractive-aspheric lens
  Ultralight, wide-angle, passively athermalized LWIR lens
- **Suitable for use with qVGA and qqVGA detectors and smaller**
- **Applications and capabilities**
  Thermal imaging and thermography
  Automotive vision enhancement

Optical Specifications

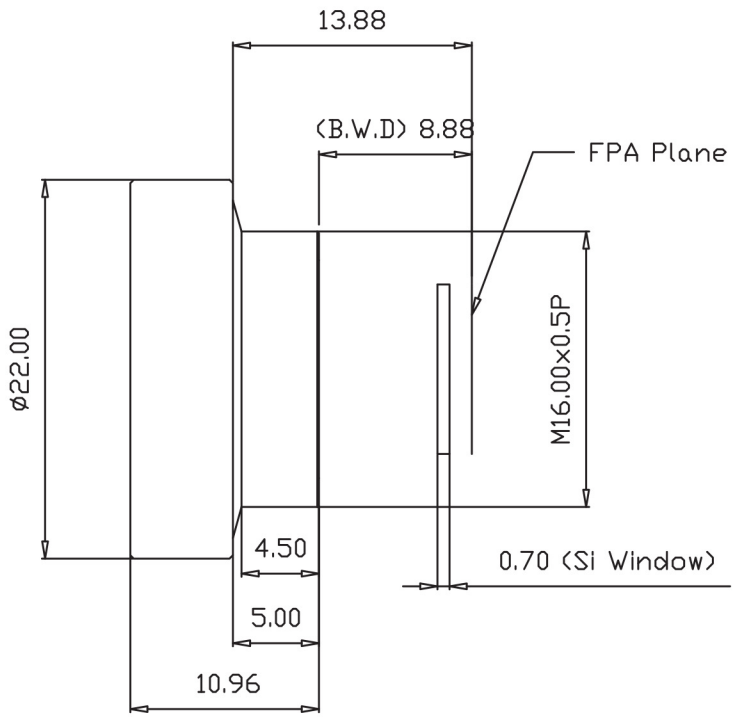
- **Focal length** 6.7 mm
- **Aperture-based f-number** f/1.3
- **Maximum image circle** 8.4 mm
- **Waveband** 8~12 um
- **Focus range** 0.26 m to infinity
- **Transmittance** > 95 % (AR coating)
  > 90 % (DLC coating)
- **Field of view (FOV)**

Sensor array	Pixel size (um)	FOV (deg)		
		H	V	D
384 X 288	17	**57.0**	**42.3**	**72.5**
	12	40.0	30.0	50.0
320 X 240	17	47.0	35.0	60.0
	12	33.0	25.0	41.4

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 (M16 x P0.5)
- **Weight** 9.7 g
- **Sealing** IP67 / on front
- **Dimension**



Environmental Specifications

- **Operating temperature** -35 ~ +60 ℃
- **Storage temperature** -55 ~ +85 ℃