

Theia
TECHNOLOGIES



The Theia Technologies 12 - 50mm CS-mount Varifocal lens achieves a 30° - 7.2° horizontal angle of view on a 1/2.3" sensor. The superior quality of this lens will support sensor technology up to Full 4K 12 megapixel resolution.

The SL1250-M combines stunning performance with the highest build quality. Its compact design makes it ideal in fitting into small housing and minidomes. This lens is also available with P-iris SL1250-P and DC auto-iris SL1250-A. Motorized version are available.

This lens is a perfect lens companion for cameras such as the Ribcage Modified GoPro Hero 6 and 5.

Features:

- Full 4K 12MP **12 - 50mm lens**
- Integrates with 1/2.5" - 1/1.7" camera sensors
- Up to 12 megapixel resolution
- Manual iris, zoom and focus
- Auto and P-iris options available
- Motorized options available
- F1.8 to closed aperture
- Robust, precise mechanics
- Compact design - able to fit into a 4" minidome
- Weight 66 grammes

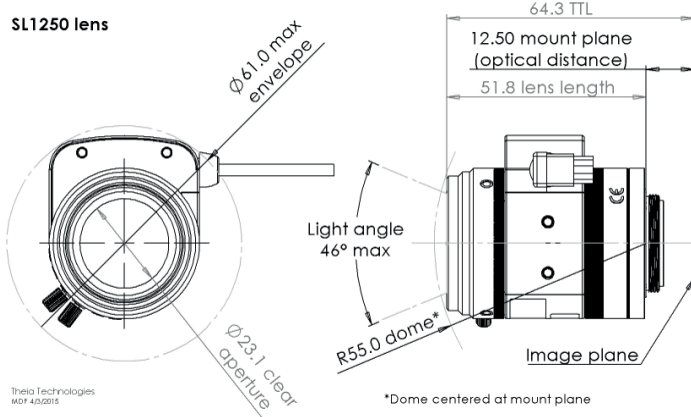
Applications:

- Security
- Film, Broadcast, etc
- Machine Vision / Factory Automation

Specification:

Focal Length	12 - 50mm Varifocal
Image Format	1/2.5" up to 1/1.7"
Image Size	Up to Ø 9.4mm
Maximum Aperture	F1.8 @ 12mm, F2.4 @ 50mm
Aperture Range	F1.8 - Closed (no detente)
Angle of View (H x V)	30° - 7.2° x 22° - 2.5° HxV (1/2.3" sensor)
Focussing Range	∞ - 2.0m
Back Focus	None
Minimum Object Distance	2.0m
Modular Transfer Function	TBC
Resolution	True 4K, Up to 12.4 megapixels
I/R Correction	"Day/Night"
Flange Focal Length	12.5mm (in air)
Locking Screws	On zoom, focus and iris
Mount	CS-mount (metal) with Slip Ring
Weight (g)	66 grammes
Dimensions	61mm (Max Diameter) x 51.8mm (Length)
Temperature	Operating -20°C to +60°C Storage -30°C to +70°C

SL1250 lens



Theia Technologies
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*Dome centered at mount plane

Please contact SeeSense for further details of C and CS-mount lenses we offer:

www.seesense.eu nigel@seesense.eu

Sensor Size	1/1.7"	1/1.8" 4K	1/2.3"	1/2.5"
FOV* (horizontal)	36° - 8.6°	35° - 8.5°	30° - 7.2°	27° - 6.7°
FOV* (vertical)	26° - 6.5°	17° - 4.3°	22° - 2.5°	20° - 5.0°
FOV* (diagonal)	46° - 11°	40° - 9.5°	38° - 9°	34° - 8.3°

* FOV = Field of View

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