

### Theia TECHNOLOGIES

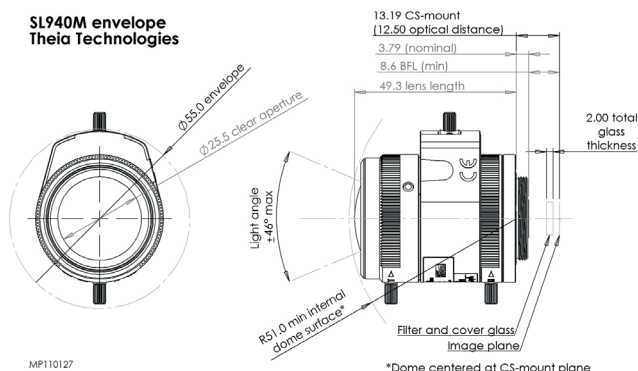


**The Theia Technologies 9 -40mm CS-mount Varifocal lens achieves 30° - 7.1° horizontal angle of view on a 1/3" sensor. The superior quality of this lens will support sensor technology up to 5 megapixels resolution.**

It 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 SL940-P and DC auto-iris SL940-A.

We think that it is a perfect lens for use with our miniature High Definition camera systems including:

- SeeSense IK-HR1P (CS-mount Toshiba IK-HR1S)
- SeeSense GEM 1/3" 1-CMOS camera
- Pacific VPC-HD25 1/3" 1-CMOS camera



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

[www.seesense.eu](http://www.seesense.eu) [nigel@seesense.eu](mailto:nigel@seesense.eu)

#### Features:

- Full High Definition 5MP **9 - 40mm lens**
- Integrates with 1/3" 1-CCD / CMOS HD cameras
- Up to 5 megapixels
- Manual iris, zoom and focus
- DC & P-iris option available
- F1.5 to closed aperture
- Robust, precise mechanics
- Compact design - able to fit into a 4" minidome
- Weight 66 grammes

#### Applications:

- Security
- Broadcast
- Machine Vision / Factory Automation

#### Specification:

Focal Length	9 - 40mm Varifocal
Image Format	1/3" (also 1/2.7" and 1/2.5")
Image Size	Ø 6.0mm (5.23mm x 2.94mm)
Maximum Aperture	F1.5 Also available with P-iris SL940-P
Aperture Range	F1.5 - Close (no detente)
Angle of View (H x V)	30° - 7.1° x 22° - 5.3° (1/3" sensor)
Focussing Range	∞ - 2.5m
Back Focus	None
Minimum Object Distance	2.5m
Modular Transfer Function	MTF of 140 lp/mm @ >20%
Resolution	Up to 5 megapixels
I/R Correction	"Day/Night"
Flange Focal Length	12.5mm (in air)
Locking Screws	On focus and iris
Mount	CS-mount (metal)
Weight (g)	66 grammes
Dimensions	39mm (Diameter) x 50mm (Length)
Temperature	Operating -20°C to +50°C Storage -20°C to +60°C

Sensor Size	1/3"	1/2.7" (HD)	1/2.5"
Field of View (horizontal)	30° - 7.1°	37° - 8.6°	36° - 8.5°
Field of View (vertical)	22° - 5.3°	20° - 4.8°	27° - 6.3°
Field of View (diagonal)	38° - 8.8°	42° - 9.9°	46° - 10.6°

Rev: 3.013.0218 E.&O.E.