

True 4K varifocal lenses

Theia's mid focal range lenses provide **true 300 lp/mm**, excellent NIR correction for **multi-spectral imaging**, and **compact size** for very high performance lenses. Their small size allows the lenses to fit in tight envelopes. The lenses have an easy to use focus adjustment ring for simple and precise focusing from 0.5m to infinity. Both lenses offer varifocal flexibility, replacing 3 to 4 prime lenses with a single lens.

- Theia's –410 and ML610 series lenses are IR corrected for use in NIR spectrum from 435 to 940nm without refocusing. IR and visible light will be focused to a common plane allowing the best image quality in multi-spectral applications.
- The lenses are very bright (**fast F/1.4 and F/1.6**) and have great performance in low light scenes. The lenses can be used with WDR cameras without creating distracting ghost images.
- The lenses support cameras with very high resolution (300lp/mm and 1.55µ pixels) using the smaller 1/1.7" or the larger 2/3" sensors.
- The lenses are very **compact**, only 52mm, from the mount <64mm TTL to fit in tight envelopes.
- Designed for **C-mount** cameras; - 410 also available in **CS-mount**.
- Available in Manual, DC Auto-iris, and Precise iris (P-iris) versions for some models.
- Also available in motorized and board mount versions.

Picture at 10mm



Lens models [1]	SL410A/P	SL410M	ML410M	ML610M
Iris type	Auto-iris/P-iris	Manual	Manual	Manual
Mount type	CS	CS	C	C
Focal length	4-10mm			6-10mm
Sensor sizes	up to 1/1.7"			up to 2/3"
Field of view	Varifocal 112° - 44° on 1/1.7" sensor			Varifocal 87° - 51° on 2/3" sensor
Resolution	300lp/mm (center)			300lp/mm (center)
F/#	F/1.4			F/1.6
Focus range*	.5m to ∞			.5m to ∞
IR Correction	Yes, 435 to 940nm			Yes, 435 to 940nm
Lens length	<64mm TTL			<64mm TTL

[1] motorized versions of the [410 lens also available](#)