



Theia

TECHNOLOGIES

TL410 family 4K Resolution Day/Night lenses up to 1/1.7" sensors

- ✓ **Ultra high resolution for 4K cameras**, up to 12.4 megapixel
- ✓ Available in DC **auto-iris**, **P-iris**, and **manual iris** versions
- ✓ **Fully motorized versions**, or combinations with zoom, focus, iris, IR cut, limit switch; non-motorized versions also available
- ✓ IR corrected for true **Day/Night** cameras
- ✓ **Compact design** to fit into domes as small as 4" mini-dome size
- ✓ **CS-mount** and smooth **D25 board mount** options, as well as **C-mount**
- ✓ Used for sensor sizes 1/2.5", 1/2.3", 1/2", 1/1.8", and **up to 1/1.7"** (Sony IMX178, Sony IMX226 for example)

SL/TL410 lens family specifications

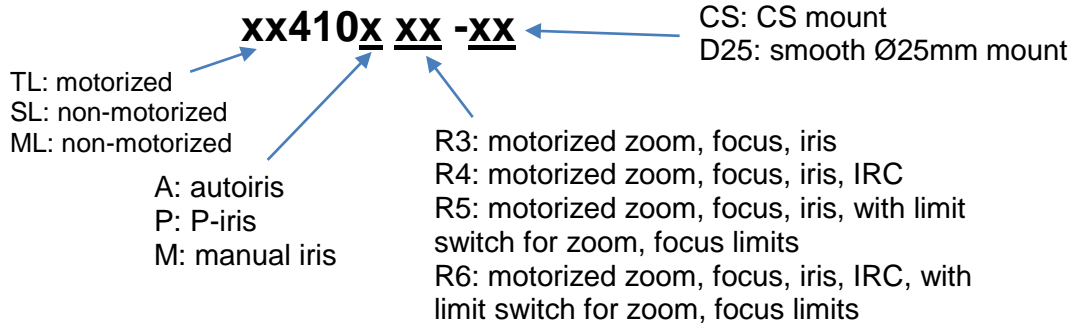
| | |
|-----------------------|-------------------------------------|
| Focal length | 4-10mm |
| Image circle | Ø9.4mm |
| Resolution | 12.4 megapixel |
| F/# | F/1.4 @ 4mm – F/2.4 @ 10mm to close |
| Focus Range | 0.5m to infinity |
| IR Correction | Day/Night |
| Lens length | < 64mm TTL |
| Back focal length | BFL 8.4mm (in air) |
| CRA | < 7° |
| Distortion | < 61% at 4mm, < 8% at 10mm |
| Relative illumination | >45% |
| Lens transmission | >80% |
| Weight | TBD |
| Temperature range | -20°C to 50°C |

Field of view for sensor sizes

| Sensor size | 1/1.7" | 1/1.8" | 1/1.8" 4K* | 1/2" | 1/2.3" | 1/2.5" |
|-------------|------------|------------|------------|------------|------------|------------|
| Horizontal | 112° - 44° | 110° - 43° | 110° - 43° | 93° - 37° | 90° - 36° | 83° - 33° |
| Vertical | 81° - 33° | 71° - 29° | 52° - 21° | 68° - 28° | 67° - 27° | 60° - 25° |
| Diagonal | 149° - 55° | 139° - 52° | 126° - 48° | 120° - 46° | 117° - 45° | 106° - 42° |

*4K format = 4000 x 2000 pixels

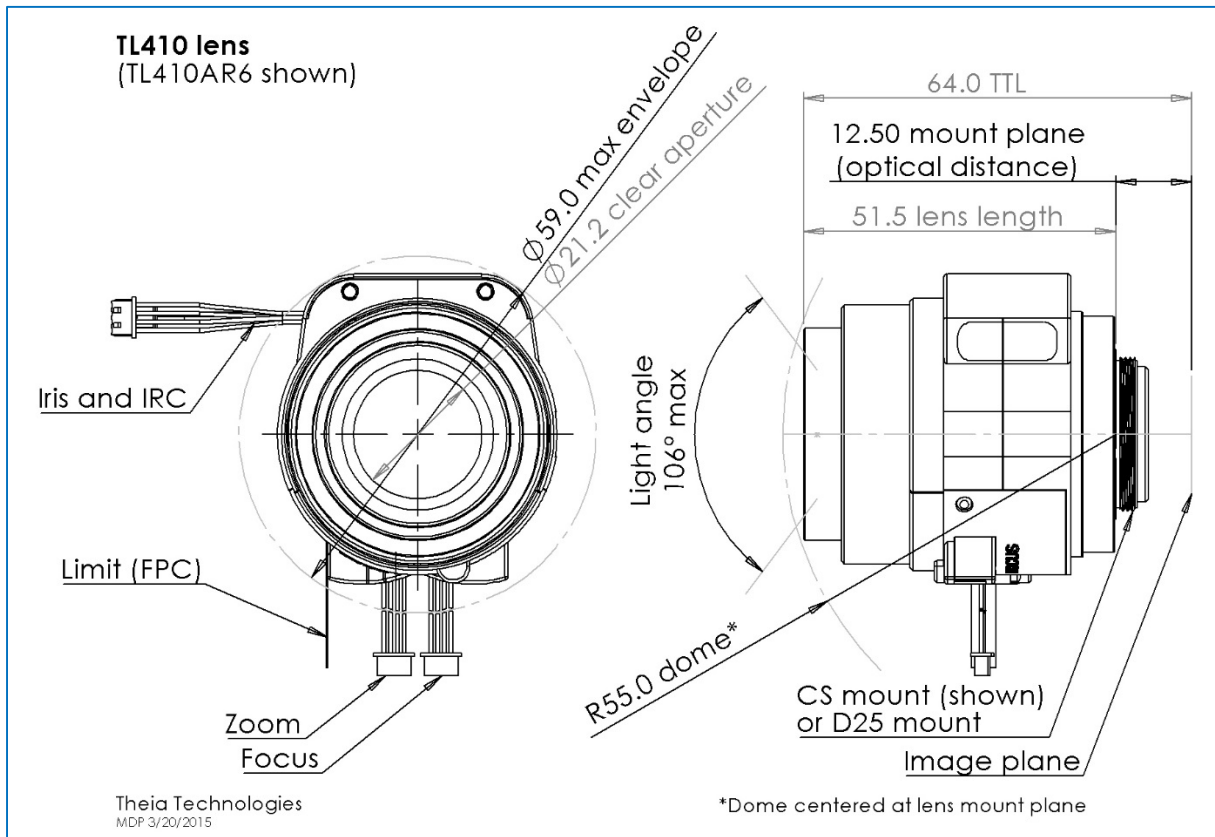
Lens designation



Production versions:

SL410M (manual lens, manual iris, CS mount)
 SL410A (manual lens, DC autoiris, CS mount)
 SL410P (manual lens, P-iris, CS mount)
 ML410M (manual lens, manual iris, C mount)
 TL410AR4-CS (fully motorized, DC autoiris lens)
 TL410PR4-CS (fully motorized, P-iris lens)

Other versions are available by special request and may be added to regular production



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