



## **360<sup>o</sup> Camera Lens - Theia TY180F** 180<sup>o</sup> fisheye for high resolution cameras

- ♦ Ultra high resolution for 4k, 5 MP, 8 MP, and up to 12 MP 360-Degree Cameras
- Greater than 300 lp/mm center resolution.
- Day-only lens for accurate color rendition (IR blocking filter)
- Supports high megapixel 1/2.5" and 1/2.3" sensors
  - o Such as Aptina MT9P006 and Sony IMX172

## TY180F Performance Data

TY180F
180°
1.32mm
4.07mm at 180°
100% Fisheye (circular)
300 lp/mm center
>160 lp/mm at 65° off-axis field angle
>125 lp/mm at 85° off-axis field angle
F/2.0
>55% at 90° (half angle)
<10° maximum
0.1m to infinity
4.74 mm (in air)
Fixed
• 395~415nm, 640~660nm: T=50%
<ul><li>430~610nm: T(avg)&gt;=90%</li></ul>
<ul><li>695~800nm: T(avg)&lt;=2%</li></ul>
• 801~1000nm: T(avg) <=3%
>80%
M12x0.5
~9g
Ø24.0 x 25.1mm (30mm total track)
-20C to +70C
-40C to +85C
Yes