



TY180IR 360° Camera Lens

4K Resolution 180° Day/Night fisheye

- ✓ **Ultra high resolution for 5 MP, 8 MP, and up to 12 MP 4k Cameras**
- ✓ **Greater than 300 lp/mm resolution**
- ✓ **IR corrected for Day/Night operation**
- ✓ **IR cut module/mount is available**
- ✓ **Supports high megapixel 1/2.5" and 1/2.3" sensors such as Aptina MT9P006 and Sony IMX172**

TY180IR Performance Data

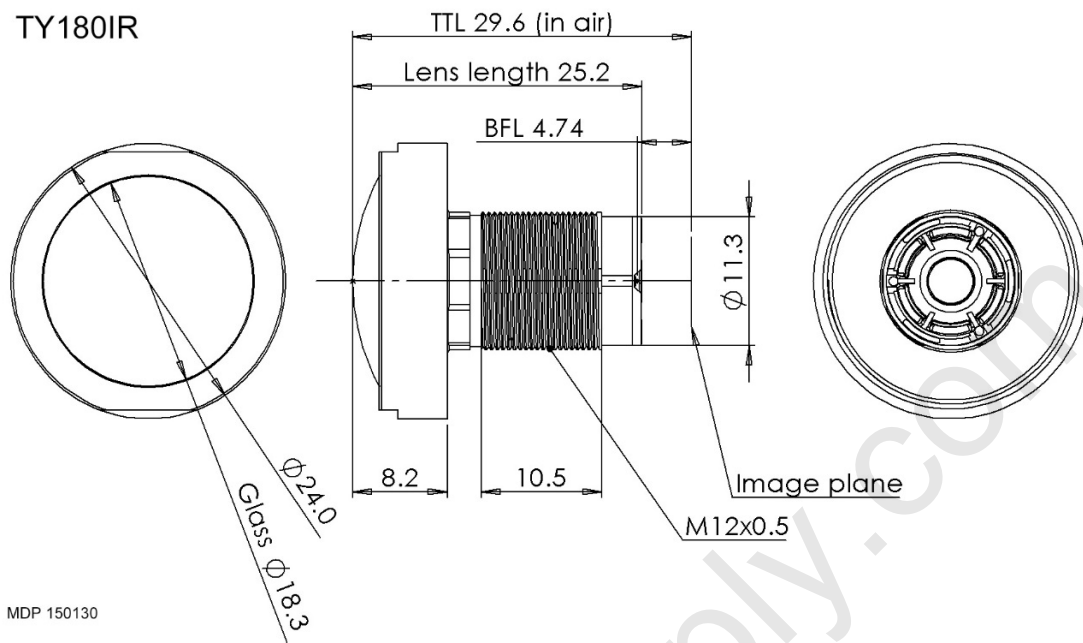
	TY180IR
Lens	180°
Field of View	180°
Focal length	1.32mm
Image Circle	4.07mm at 180°
Distortion	100% Fisheye (circular)
Resolution	>300 lp/mm center
F/#	F/2.0
CRA	<10° maximum
Focus Range	0.3m to infinity
Back Focus Length	4.74 mm (in air)
Iris	Fixed
IR cut	No IR filter in the lens* IR switch module available in the mount
Mount	M12x0.5
Weight	8g
Dimensions	Ø24.0 x 25.2mm (30mm total track)
OperatingTemp	-20C to +70C
Storage Temp.	-40C to +80C
RoHS 2	Yes

*TY180F day-only version is available with IR filter in the lens (50% cut-off at 650nm) in lens.

Theia

TECHNOLOGIES

TY180IR



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