

YC-155N 2M Fixed Focal Lens

RAYS Optics (YOUNG Optics Group)—is a professional designer and manufacturer of various lenses for different applications. We provide the best industrial grade Lens, either for consumer or professional surveillance solution market, such as IP Camera and CCTV Camera.

Product Features

- ✓ Mega Board Fixed Lens
- ✓ 1/2.7" 2M CCD/CMOS sensor
- ✓ 2.8 mm Focal Length
- ✓ F/#2.0
- ✓ M12 Mount type

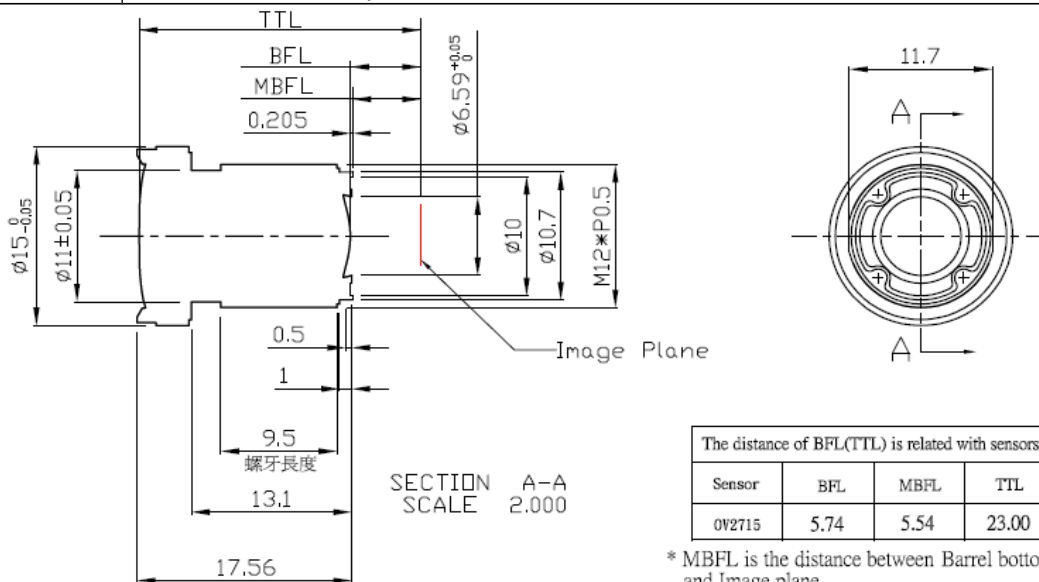


Product Specification

General Specification

Image Diameter	Max Image Circle 6.71 mm
Sensor	1/2.7", 1/3"
Mount Type	M12
Optical Specification	
Focal Length	2.8mm
Max. Aperture Ratio	F/# 2.0
Field Of View	1/2.7" D:~120°; H:107°; V:64° (for image area: 5.856mm*3.276mm) 1/3" D:~109°; H:88°; V:72° (for image area: 4.766mm*3.779mm)
Maximum Chief Ray Angle	<10°
Optical Overall Length	22.85 mm (in air)
TV Distortion	<12%
Back Focal Length (BFL)	5.587mm (in air)
IR Corrective (Day & Night)	Yes
ROHS (Green Product)	Comply
Resolution	Center 200 line pairs/mm or more Ø4.5 125 line pairs/mm or more

YC-155N: Without IR-Filter



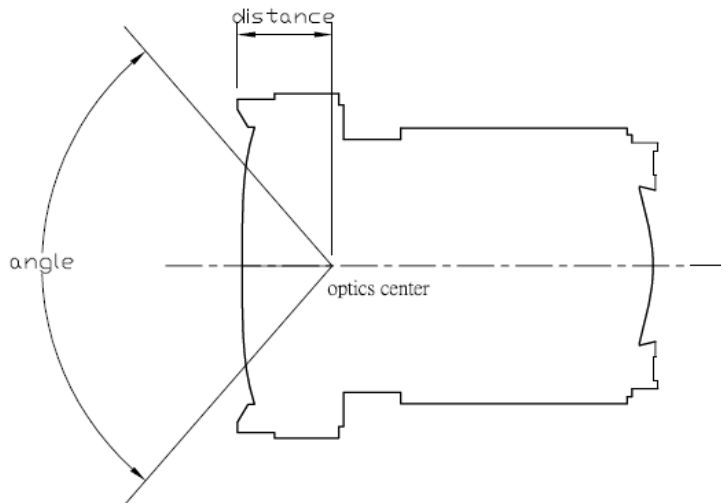
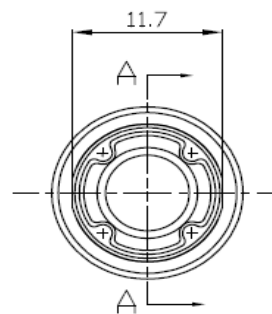
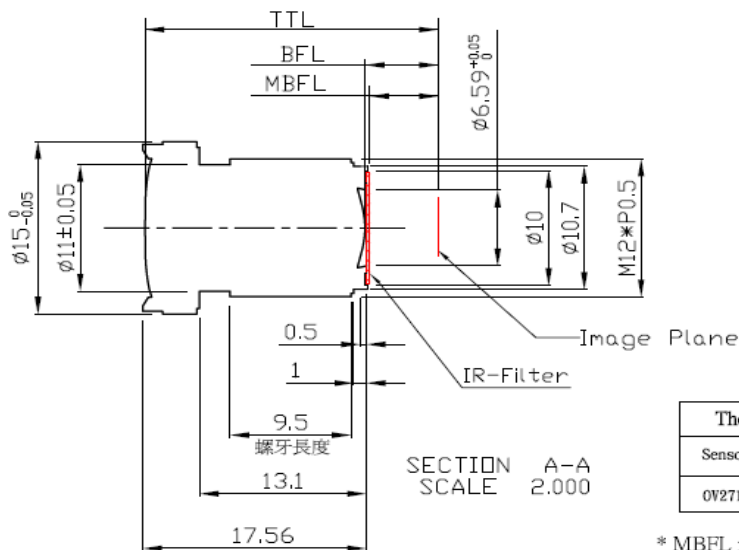


Image Plane

The distance(angle) of optics center is related with sensors

Sensor	distance(mm)	angle(°)
OV2715	3.90	120

YC-155NP: With IR-Filter



The distance of BFL(TTL) is related with sensors

Sensor	Filter thickness	BFL	MBFL	TTL
OV2715	0.21	5.81	5.61	23.07

* MBFL is the distance between IR-filter and Image plane

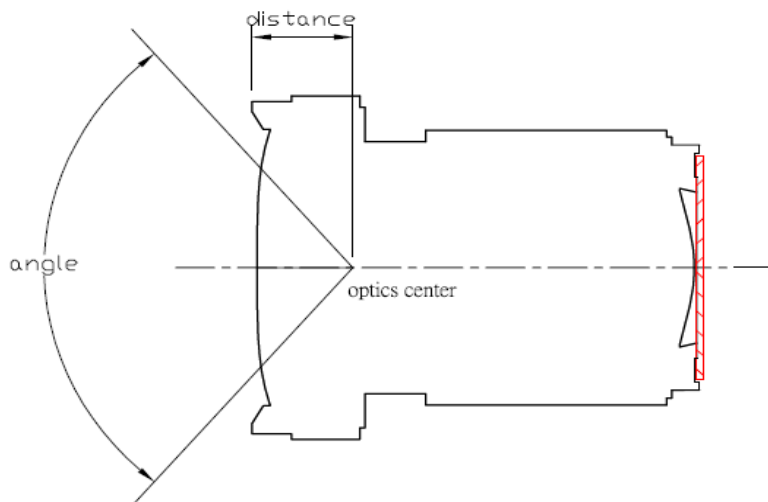


Image Plane

The distance(angle) of optics center is related with sensors

Sensor	Filter Thickness	distance(mm)	angle(°)
OV2715	0.21	3.90	120