

# Entaniya Fisheye 250 MFT

Specifications	
Effective field of view	250°
focal length	2.3mm~3.6mm
Image size	f=2.3mm 190° = $\phi$ 7.344mm f=3.0mm 180° = $\phi$ 9.2mm f=3.6mm 180° = $\phi$ 11mm
F number	f=2.3mm F/2.8 f=3.0mm F/2.8 f=3.6mm F/4.0
Lenses	18 Elements in 12 Groups (4 Extra-low dispersion lens)
Mount type	micro four thirds
1. It is possible to exchange the filter( $\phi$ 16mm) attached to back of the lens. 2. By changing components the image size can be changed.	

\* The appearance, specifications, and the like of the product are subject to change for improvement without notice.

Position: 2.3mm (Image circle  $\varnothing 7.344\text{mm}=190^\circ$ )

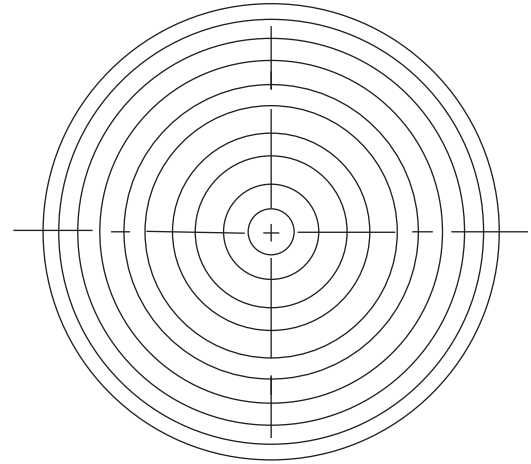
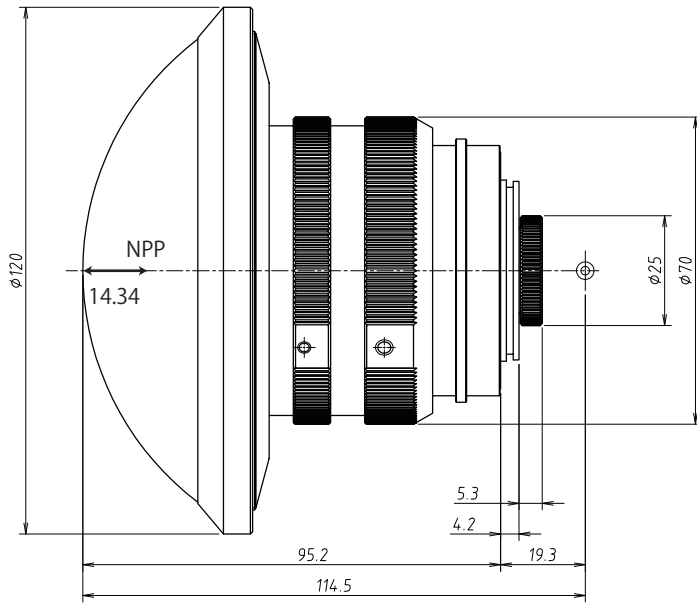
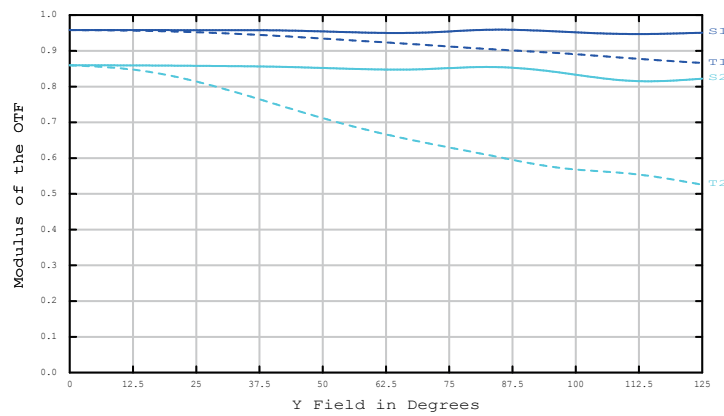


Image of the angle of view projected on the image plane every 12.5°. Maximum angle of view 250°.

MTF

F.L.=2.3mm F/2.8



Freq 1: 20.00 cyc/mm  
 Freq 2: 60.00 cyc/mm

Angle of view VS Image height.

Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)
0.00	0.0000	45.00	1.8030	89.80	3.4926
5.00	0.2020	50.00	1.9993	95.00	3.6710
10.00	0.4039	55.00	2.1944	100.00	3.8357
15.00	0.6055	60.00	2.3879	105.00	3.9923
20.00	0.8068	65.00	2.5798	110.00	4.1391
25.00	1.0075	70.00	2.7696	115.00	4.2744
30.00	1.2076	75.00	2.9571	120.00	4.3967
35.00	1.4070	80.00	3.1417	125.00	4.5053
40.00	1.6055	85.00	3.3228		

Position: 3.0mm (Image circle  $\varphi 9.2\text{mm}=180^\circ$ )

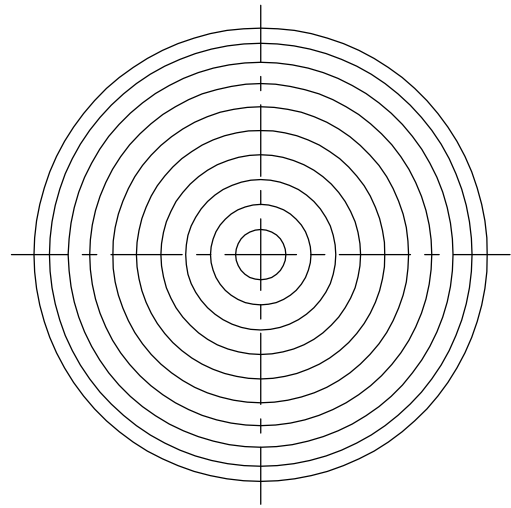
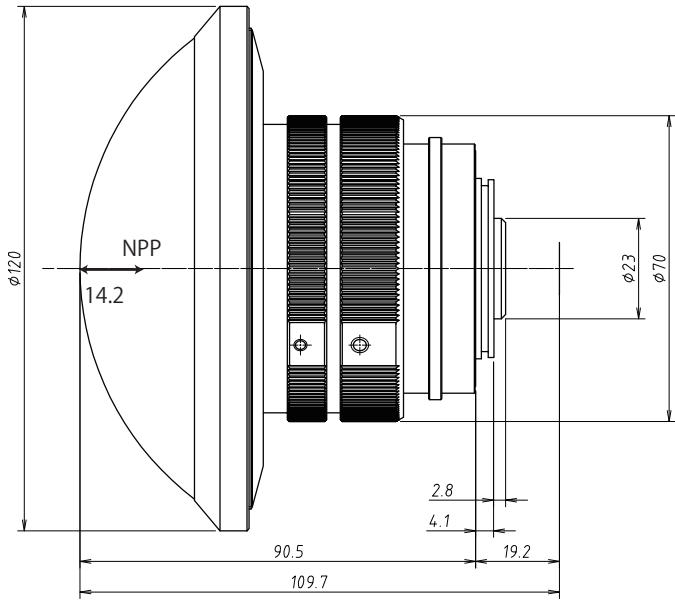
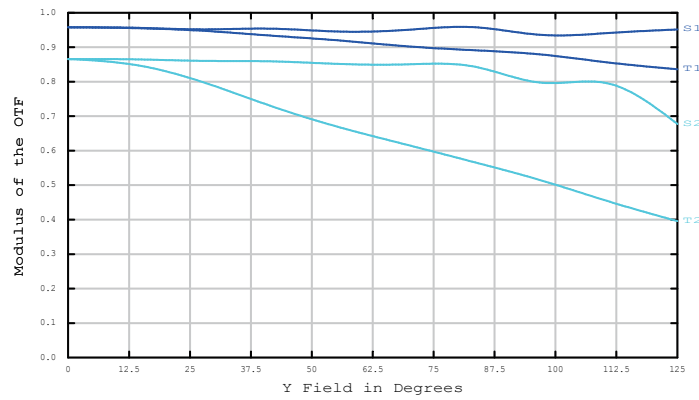


Image of the angle of view projected on the image plane every 12.5°. Maximum angle of view 250°.

MTF  
F.L.=3.0mm F/2.8



Freq 1: 20.00 cyc/mm  
Freq 2: 60.00 cyc/mm

Angle of view VS Image height.

Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)
0.00	0.0000	45.00	2.3669	90.00	4.6019
5.00	0.2648	50.00	2.6255	95.00	4.8396
10.00	0.5295	55.00	2.8826	100.00	5.0596
15.00	0.7939	60.00	3.1380	105.00	5.2692
20.00	1.0579	65.00	3.3914	110.00	5.4662
25.00	1.3214	70.00	3.6425	115.00	5.6481
30.00	1.5841	75.00	3.8908	120.00	5.8126
35.00	1.8461	80.00	4.1356	125.00	5.9578
40.00	2.1070	85.00	4.3761		

Position: 3.6mm (Image circle  $\varnothing$  11mm=180°)

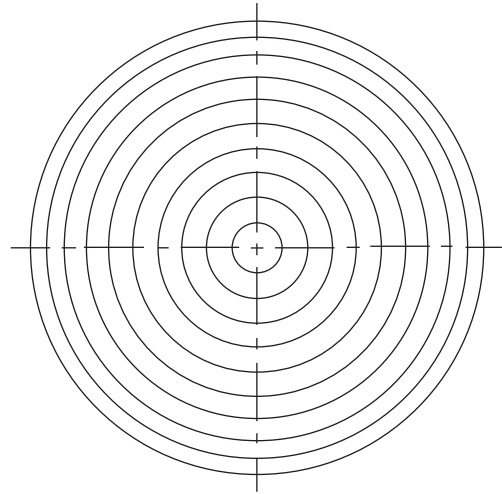
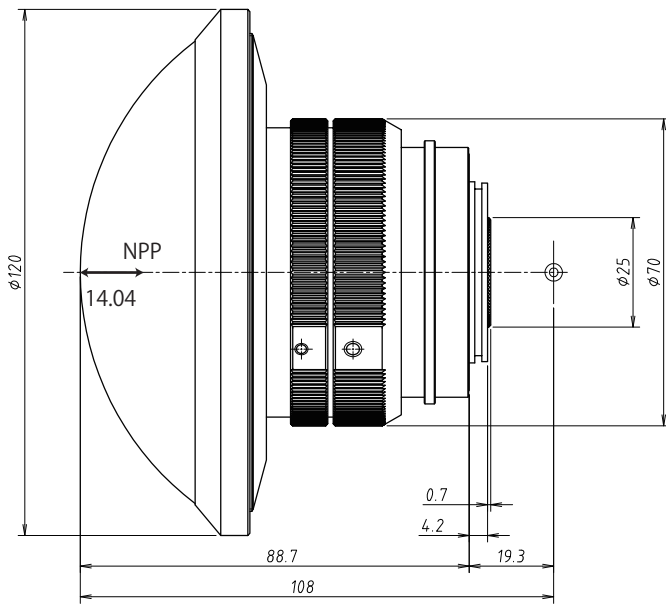
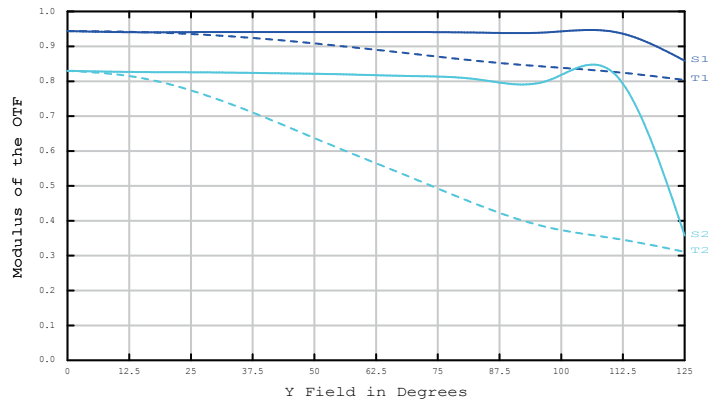


Image of the angle of view projected on the image plane every 12.5°. Maximum angle of view 250°.

MTF

F.L.=3.6mm F/4.0



Freq 1: 20.00 cyc/mm  
Freq 2: 60.00 cyc/mm

Angle of view VS Image height.

Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)	Angle of view (deg)	Image height (mm)
0.00	0.0000	45.00	2.8245	89.80	5.4996
5.00	0.3158	50.00	3.1335	95.00	5.7847
10.00	0.6315	55.00	3.4409	100.00	6.0488
15.00	0.9469	60.00	3.7463	105.00	6.3006
20.00	1.2619	65.00	4.0495	110.00	6.5372
25.00	1.5762	70.00	4.3500	115.00	6.7559
30.00	1.8898	75.00	4.6473	120.00	6.9535
35.00	2.2025	80.00	4.9405	125.00	7.1271
40.00	2.5141	85.00	5.2288		