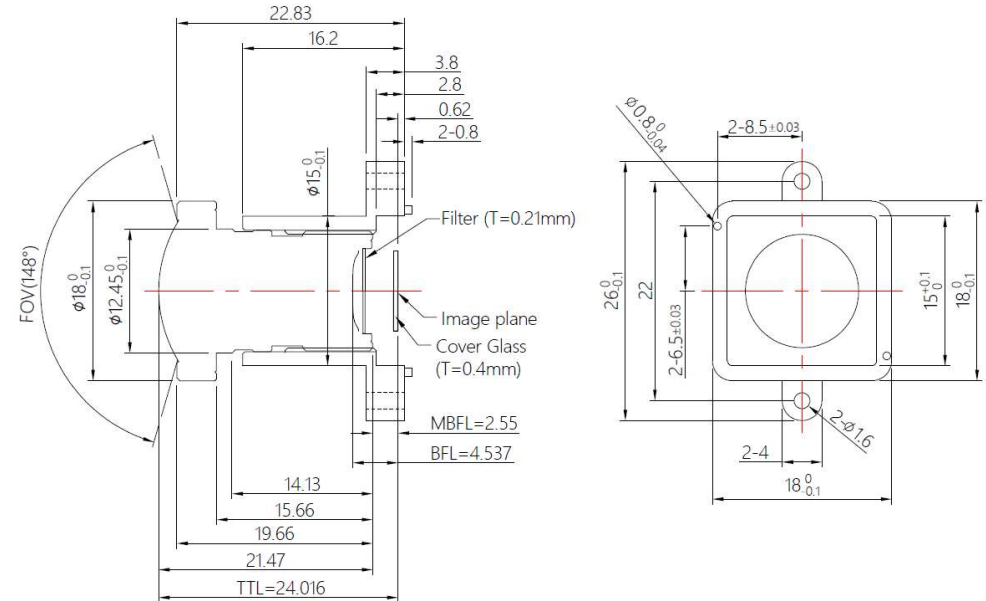


6A010 LENS SPECIFICATION

NO	Item	Spec
1	Application	Imaging lens
2	Sensor Format	1/2.8", 3840*2160pixels, IMX415 (Up to 1/2")
3	Pixel size	1.45μm
4	Focal Length	2.7 mm
5	F-Number	F/2.9 +/-5%
6	Image circle	Ø8mm
7	Field of View	145°(D) @IH 3.9mm (Ø7.8mm) 121°(H) @IH 3.1mm (Ø6.2mm) 95°(V) @IH 2.35mm (Ø4.7mm)
8	MTF (OQC)	Center >65% @ 86 lp/mm 0.7F, IH2.73mm >40% @ 86 lp/mm
9	Optical Distortion	-54.2%, +15% from F-θ, -1.7% from Stereograph
10	Relative Illumination	73.1% @ IH 3.194mm (IMX415 1.0F) 44% @ IH 3.9mm
11	CRA	14.9°at 8.0mm image circle, linear
12	Total Track Length (TTL)	24.016 mm (From 1ST lens center to sensor)
13	Back Focal Length (BFL)	4.537mm (Include CG 0.5 and IR filter 0.21)
14	Mechanical Back Focal Length (MBFL)	2.55 mm
15	Interface	M12
16	IR correction	N/A
17	Sealing Class	IP67

2D outline



Sensor	FOV(D)	FOV(H)	FOV(V)	RI	Optical Distortion	TV Distortion
IMX462	124°	110.4°	65°	73.1%	-36.9%	-12.1%
IMX415	124°	110.4°	65°	73.1%	-36.9%	-12.1%
IMX412	145.8°	122.4°	95.2°	42.8%	-55%	-13%
IMX477	145.8°	122.4°	95.2°	42.8%	-55%	-13%