



ED-LENS-M12-180250-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-180250-08

1/1.8" 8 Megapixel wide range M12 lens

Overview

ED-LENS-M12-180250-08 lens can be used on various cameras with M12 interfaces. This 2.5mm M12 lens provides a 142.4° Horizontal Field of View on 1/1.8" sensors.

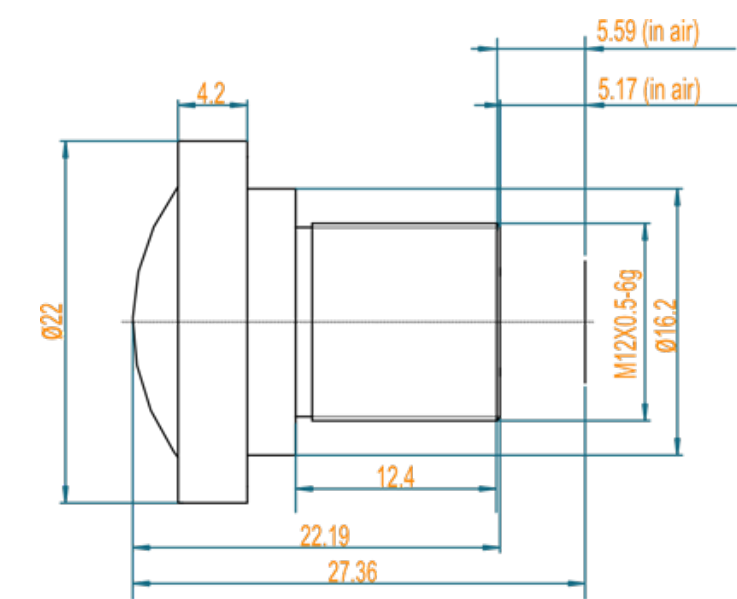


Specifications

Resolution		8 Megapixel		
Optical format		1/1.8"		
TTL (Total Track Length)		27.36mm		
EFL (Effective Focal Length)		2.5mm		
Aperture		F2.2		
Mount		M12		
FOV (Field of View) DxHxV		1/1.8"	1/2"	1/2.3"
	D	180°	180°	180°
	H	142.4°	147.8°	142.4°
	V	106.8°	106.8°	106.8°
Optical Distortion		-97.60%		
CRA (Chief Ray Angle)		11.8°		
MOD (Minimum Object Distance)		0.3m		
BFL (Back Focal Length)		5.59mm		
MBF (Mechanical Back Focal)		5.17mm		

Structure	8G	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ22×22.19	
Weigh (g)	10.3	
Working Temperature	-20°C to +60°C	

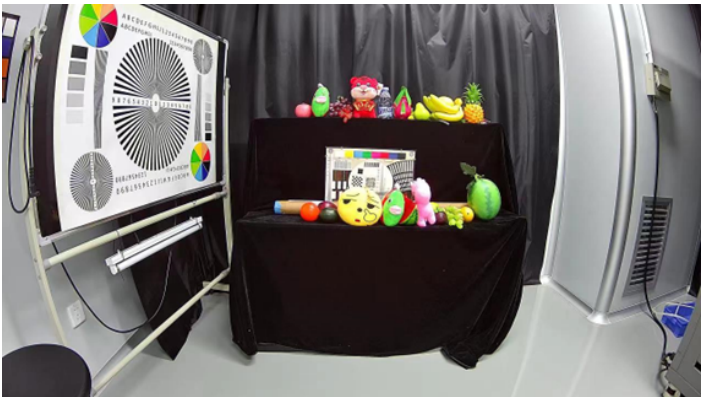
Mechanical Drawing



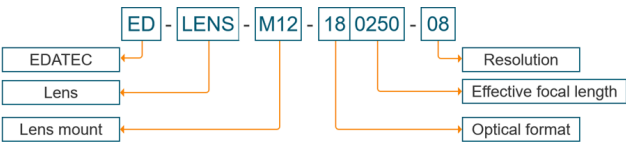
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

Actual Photo

Below picture was taken by camera module with this lens in the lab, it just gives a reference about the Field of View and resolution of the lens, it may be different with the pictures taken in different light environment and other different conditions.



Ordering Code



Example

P/N : ED-LENS-M12-180250-08

Configuration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 2.5mm M12 lens provides a 142.4° Horizontal Field of View on 1/1.8" sensors.

Selection Guide

More details about Ordering Code, please check [Selection Guide](#).