



# **ED-LENS-M12-180520-04**

## Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

# ED-LENS-M12-180520-04

1/1.8" 4 Megapixel wide range M12 lens

## Overview

ED-LENS-M12-180520-04 lens can be used on various cameras with M12 interfaces. This 5.2mm M12 lens provides a 92.3° Horizontal Field of View on 1/1.8" sensors.

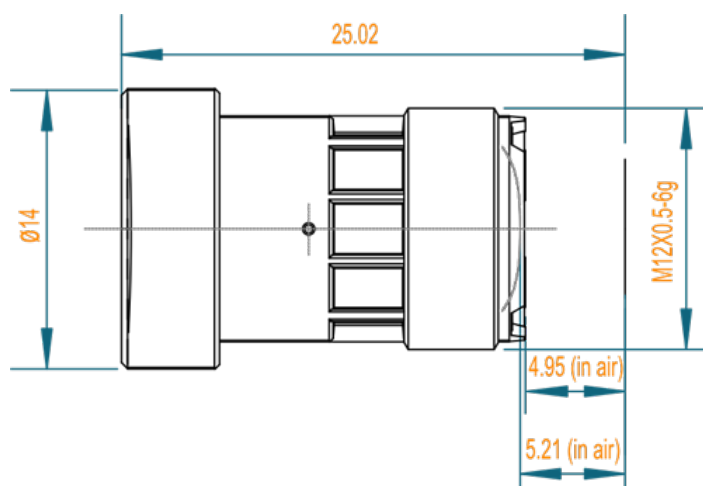


## Specifications

Resolution	4 Megapixel	
Optical format	1/1.8"	
TTL (Total Track Length)	25.02mm	
EFL (Effective Focal Length)	5.2mm	
Aperture	F1.6	
Mount	M12	
FOV (Field of View) DxHxV		1/1.8"
	D	111°
	H	92.3°
	V	48.5°
Optical Distortion	-42%	
CRA (Chief Ray Angle)	≤15.01°	
MOD (Minimum Object Distance)	0.3m	
BFL (Back Focal Length)	5.21mm	
MBF (Mechanical Back Focal)	4.95mm	

Structure	7G1P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×20.7	
Weigh (g)	10	
Working Temperature	-30°C to +70°C	

## Mechanical Drawing



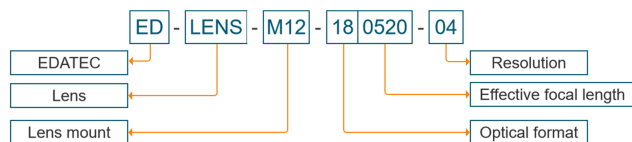
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

## 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-M12-180520-04**

**Configuration :** EDATEC selected a wide angle of 4 Megapixel M12-mount lens for Camera module, this 5.2mm M12 lens provides a 92.3° Horizontal Field of View on 1/1.8" sensors.

## Selection Guide

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