



ED-LENS-M12-230390-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-230390-08

1/2.3" 8 Megapixel wide range M12 lens

Overview

ED-LENS-M12-230390-08 lens can be used on various cameras with M12 interfaces. This 3.9mm M12 lens provides a 77.5° Horizontal Field of View on 1/2.3" sensors.

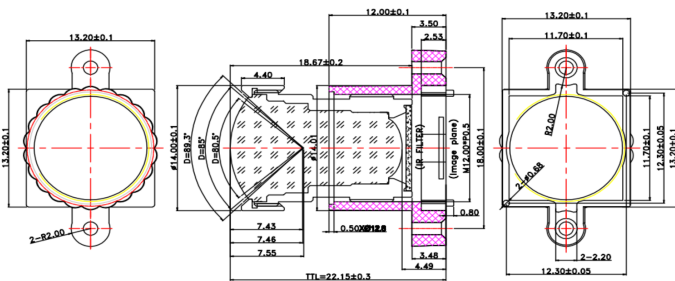


Specifications

Resolution	8 Megapixel			
Optical format	1/2.3"			
Image Circle	Φ8.0			
TTL (Total Track Length)	22.15mm			
EFL (Effective Focal Length)	3.9mm			
Aperture	F2.8			
Mount	M12×P0.5			
FOV (Field of View) DxHxV		1/2.3"(OV34810)	1/2.7"(IMX415)	1/2.8"(OV2735)
	D	90°	78°	80.5°
	H	77.5°	71°	72.8°
	V	61°	43°	44.8°
TV Distortion	< 0.5%	< 0.12%	< 0.16%	
CRA (Chief Ray Angle)	< 14.2°	< 12.4°	< 12.82°	
Relative Illuminance	>68.16%	>80%	>79.03%	
MOD (Minimum Object Distance)	0.3m			

BFL (Back Focal Length)	4.49mm	
MBF (Mechanical Back Focal)	3.48mm	
Structure	4G2P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×18.67	
Weigh (g)	5.6	
Working Temperature	-30°C to +75°C	

Mechanical Drawing



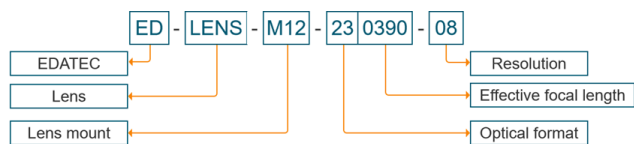
Unit	mm
Size Tolerance	0-10±0.05, 10-30±0.1, 30-120±0.2
Angle Tolerance	±2°

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-M12-230390-08

Configuration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 3.9mm M12 lens provides a 77.5° Horizontal Field of View on 1/2.3" sensors.

Selection Guide

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