



ED-LENS-M12-180340-16

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

ED-LENS-M12-180340-16

1/1.8" 16 Megapixel wide range M12 lens

Overview

ED-LENS-M12-180340-16 lens can be used on various cameras with M12 interfaces. This 3.4mm M12 lens provides a 136° Horizontal Field of View on 1/1.8" sensors.

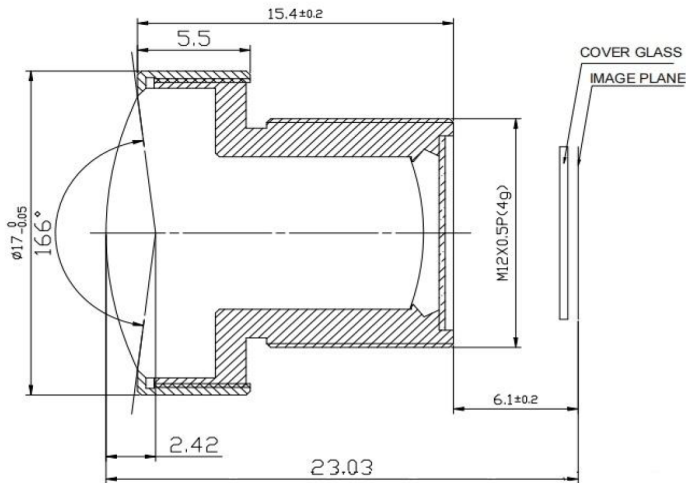


Specifications

Resolution		16 Megapixel		
Optical format		1/1.8"(IMX334)		
Image Circle		Φ9.2		
TTL (Total Track Length)		23.03mm		
EFL (Effective Focal Length)		3.4mm		
Aperture		F2.2		
Mount		M12×P0.5		
FOV (Field of View) DxHxV		1/1.8"(IMX334)	1/2"(IMX678)	
	D	160°	150°	
	H	136°	126°	
	V	72°	68.2°	
F-THETA Distortion		-7.20%		
CRA (Chief Ray Angle)		13°		
Relative Illuminance		60%		
MOD (Minimum Object Distance)		0.5m		
BFL (Back Focal Length)		7.60mm		
MBF (Mechanical Back Focal)		6.10mm		
Structure		7G		

Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ17×15.4	
Weigh (g)	7.2	
Working Temperature	-30°C to +75°C	

Mechanical Drawing



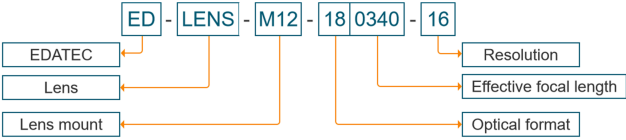
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.2, 30-120±0.3
Angle Tolerance	±2°

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-M12-180340-16

Configuration : EDATEC selected a wide angle of 16 Megapixel M12-mount lens for Camera module, this 3.4mm M12 lens provides a 136° Horizontal Field of View on 1/1.8" sensors.

Selection Guide

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