



ED-LENS-M12-201600-05

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-201600-05

1/2" 5 Megapixel wide angle M12 lens

Overview

ED-LENS-M12-201600-05 lens can be used on various cameras with M12 interfaces. This 16mm M12 lens provides a 23.3° Horizontal Field of View on 1/2" sensors.

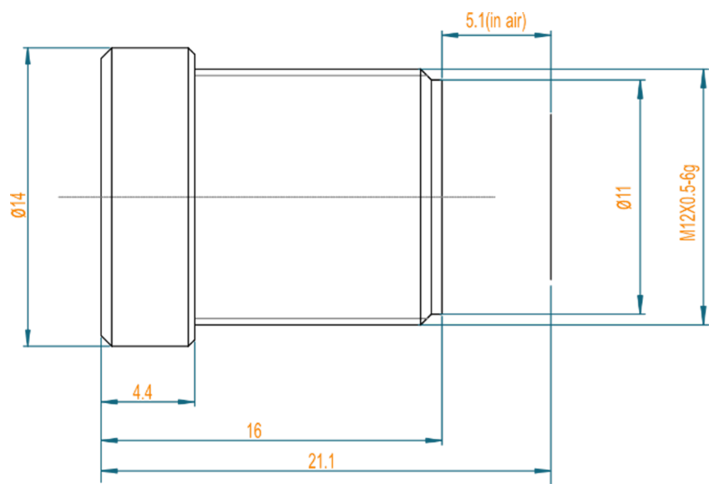


Specifications

Resolution		5 Megapixel		
Optical format		1/2"		
TTL (Total Track Length)		21.10mm		
EFL (Effective Focal Length)		16mm		
Aperture		F2.0		
Mount		M12		
FOV (Field of View) DxHxV		1/2"	1/2.5"	1/3.6"
	D	28.9°	26.1°	18.3°
	H	23.3°	24.7°	14.7°
	V	17.6°	15.8°	11.1°
Optical Distortion		0.244%	0.241%	0.160%
CRA (Chief Ray Angle)		≤17.33°		
MOD (Minimum Object Distance)		0.3m		
BFL (Back Focal Length)		5.75mm		
MBF (Mechanical Back Focal)		5.1mm		

Structure	6G	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×16	
Weigh (g)	5	
Working Temperature	-20°C to +60°C	

Mechanical Drawing



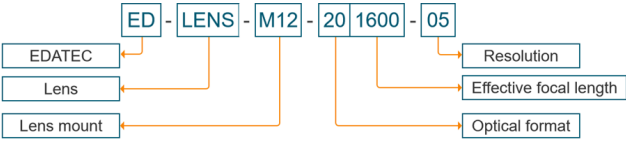
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

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-M12-201600-05
Configuration : EDATEC selected a wide angle of 5 Megapixel M12-mount lens for Camera module, this 16mm M12 lens provides a 23.3° Horizontal Field of View on 1/2" sensors.

Selection Guide

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