



ED-LENS-M12-180770-04

Datasheet

by EDA Technology Co., Ltd

built: 2025-11-11

ED-LENS-M12-180770-04

1/1.8" 4 Megapixel wide range M12 lens

Overview

ED-LENS-M12-180770-04 lens can be used on various cameras with M12 interfaces. This 7.7mm M12 lens provides a 57.2° Horizontal Field of View on 1/1.8" sensors.

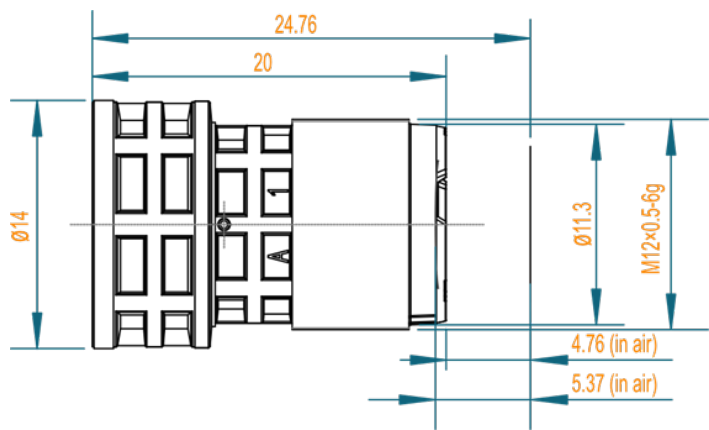


Specifications

Resolution		4 Megapixel		
Optical format		1/1.8"		
TTL (Total Track Length)		24.76mm		
EFL (Effective Focal Length)		7.7mm		
Aperture		F1.6		
Mount		M12		
FOV (Field of View) DxHxV		1/1.8"	1/2.3"	1/2.5"
	D	65.4°	57.6°	53.2°
	H	57.2°	49.5°	46.5°
	V	32.4°	28.6°	26.3°
Optical Distortion		-9.60%		
CRA (Chief Ray Angle)		≤17.2°		
MOD (Minimum Object Distance)		0.3m		
BFL (Back Focal Length)		5.37mm		
MBF (Mechanical Back Focal)		4.76mm		

Structure	7G1P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×20	
Weigh (g)	10.5	
Working Temperature	-30°C to +70°C	

Mechanical Drawing



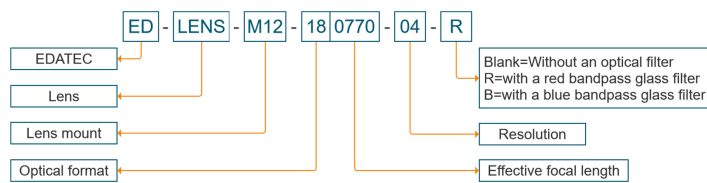
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

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-M12-180770-04

Configuration : EDATEC selected a wide angle of 4 Megapixel M12-mount lens for Camera module, this 7.7mm M12 lens provides a 57.2° Horizontal Field of View on 1/1.8" sensors.

Selection Guide

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