



ED-LENS-M12-230269-12

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

ED-LENS-M12-230269-12

1/2.3" 12 Megapixel wide range M12 lens

Overview

ED-LENS-M12-230269-12 lens can be used on various cameras with M12 interfaces. This 2.69mm M12 lens provides a 140° Horizontal Field of View on 1/2.3" sensors.

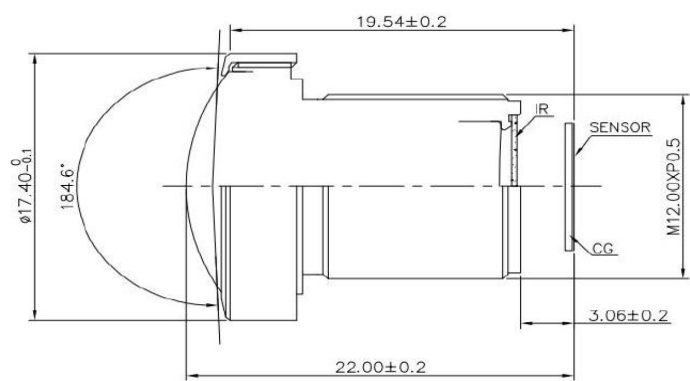


Specifications

Resolution		12 Megapixel	
Optical format		1/2.3"(IMX577)	
TTL (Total Track Length)		22mm	
EFL (Effective Focal Length)		2.69mm	
Aperture		F2.5	
Mount		M12×P0.5	
FOV (Field of View) DxHxV		1/2.3"(IMX577)	
	D	184.6°	
	H	140°	
	V	102.6°	
TV Distortion		< -21.8%	
CRA (Chief Ray Angle)		13.8°	
Relative Illuminance		63%	
MOD (Minimum Object Distance)		0.5m	
BFL (Back Focal Length)		4.25mm	
MBF (Mechanical Back Focal)		3.06mm	
Structure		8G	
Operation		Focus	Manual

	Iris aperture	Fixed
Dimension (mm)	$\Phi 17.4 \times 18.94$	
Weigh (g)	7.5	
Working Temperature	-30°C to $+75^{\circ}\text{C}$	

Mechanical Drawing



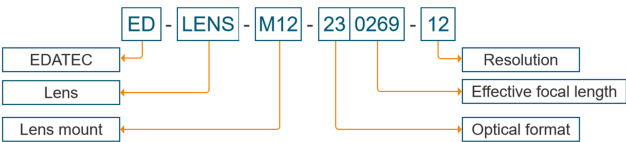
Unit	mm
Size Tolerance	0-10 ± 0.1 , 10-30 ± 0.2 , 30-120 ± 0.3
Angle Tolerance	$\pm 2^{\circ}$

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-M12-230269-12

Configuration : EDATEC selected a wide angle of 12 Megapixel M12-mount lens for Camera module, this 2.69mm M12 lens provides a 140° Horizontal Field of View on 1/2.3" sensors.

Selection Guide

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