

ED-LENS-M12-230130-12

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

ED-LENS-M12-230130-12

1/2.3" 12 Megapixel wide range M12 lens

Overview

ED-LENS-M12-230130-12 lens can be used on various cameras with M12 interfaces. This 1.3mm M12 lens provides a 240° Horizontal Field of View on 1/2.3" sensors.

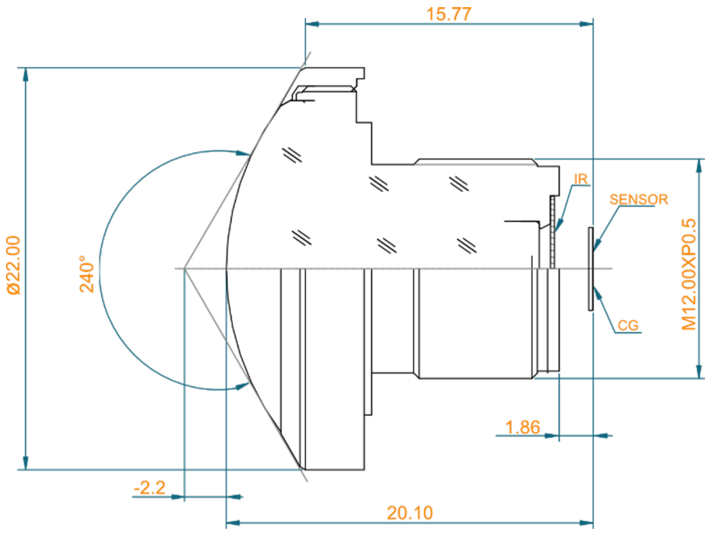


Specifications

Resolution		12 Megapixel
Optical format		1/2.3"
TTL (Total Track Length)		20.10mm
EFL (Effective Focal Length)		1.3mm
Aperture		F2.0
Mount		M12
FOV (Field of View) DxHxV		1/2.3"
	D	240°
	H	240°
	V	240°
Optical Distortion		<-16.8%
CRA (Chief Ray Angle)		12°
MOD (Minimum Object Distance)		0.25m
BFL (Back Focal Length)		2.96mm
MBF (Mechanical Back Focal)		1.86mm

Structure	8G	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ22×18.24	
Weigh (g)	9.6	
Working Temperature	-20ºC to +70ºC	

Mechanical Drawing



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

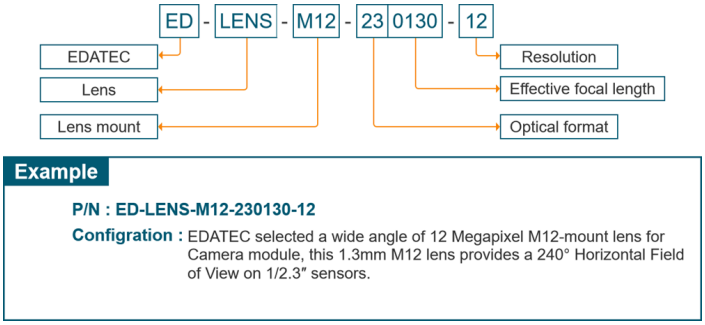
Actual Photo

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.



> TIP
>
> The MBF (Mechanical Back Focal) value of this lens is relatively small, making it unsuitable for Raspberry Pi M12 HQ camera module.

Ordering Code



Selection Guide

More details about Ordering Code, please check Selection Guide.