



ED-LENS-M12-230347-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

ED-LENS-M12-230347-08

1/2.3" 8 Megapixel wide angle M12 lens

Overview

ED-LENS-M12-230347-08 lens can be used on various cameras with M12 interfaces. This 3.47mm M12 lens provides a 106.8° Horizontal Field of View on 1/2.3" sensors.

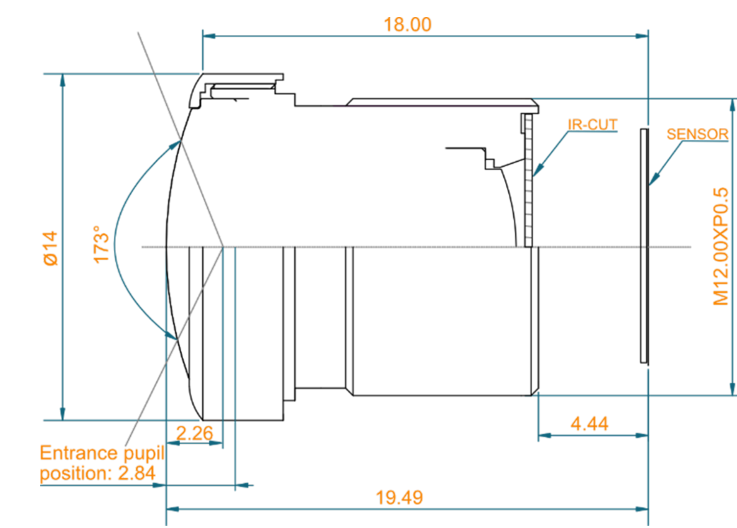


Specifications

Resolution		8 Megapixel
Optical format		1/2.3"
TTL (Total Track Length)		19.49mm
EFL (Effective Focal Length)		3.47mm
Aperture		F2.2
Mount		M12
FOV (Field of View) DxHxV		1/2.3" (MX477)
	D	137°
	H	106.8°
	V	79°
Optical Distortion		-55.00%
CRA (Chief Ray Angle)		16.6°
MOD (Minimum Object Distance)		1.11m
BFL (Back Focal Length)		5.34mm
MBF (Mechanical Back Focal)		4.44mm

Structure	4G2P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×15.05	
Weigh (g)	4.4	
Working Temperature	-20°C to +70°C	

Mechanical Drawing



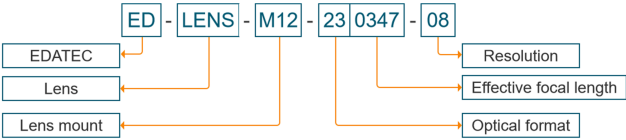
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

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-M12-230347-08
Configuration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 3.47mm M12 lens provides a 106.8° Horizontal Field of View on 1/2.3" sensors.

Selection Guide

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