

ED-LENS-M12-280167-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-22

ED-LENS-M12-280167-08

1/2.8" 8 Megapixel wide range M12 lens

Overview

ED-LENS-M12-280167-08 lens can be used on various cameras with M12 interfaces. This 1.67mm M12 lens provides a 190° Horizontal Field of View on 1/2.8" sensors.

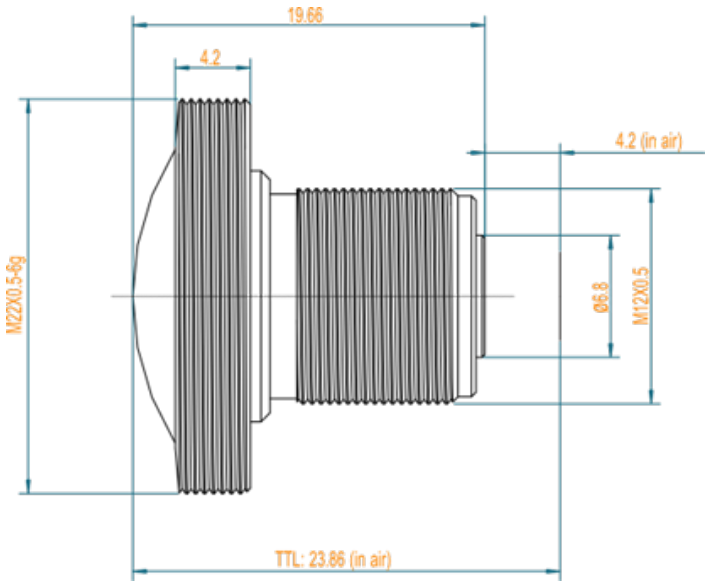


Specifications

Resolution		8 Megapixel	
Optical format		1/2.8"	
TTL (Total Track Length)		23.86mm	
EFL (Effective Focal Length)		1.67mm	
Aperture		F2.0	
Mount		M12	
FOV (Field of View) DxHxV		1/2.8"	1/2.7"
	D	190°	190°
	H	190°	190°
	V	190°	115.9°
Optical Distortion		-12%	
CRA (Chief Ray Angle)		< 10.3°	
MOD (Minimum Object Distance)		0.3m	
BFL (Back Focal Length)		4.36mm	
MBF (Mechanical Back Focal)		4.2mm	

Structure	5G2P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ22×19.66	
Weigh (g)	12	
Working Temperature	-30ºC to +70ºC	

Mechanical Drawing



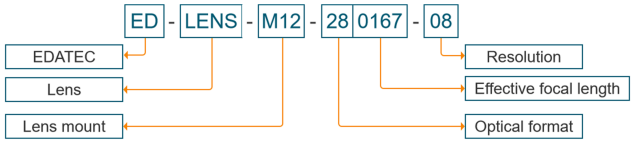
Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

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.



Ordering Code



Example

P/N : ED-LENS-M12-280167-08

Configration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 1.67mm M12 lens provides a 190° Horizontal Field of View on 1/2.8″ sensors.

Selection Guide

More details about Ordering Code, please check Selection Guide.