ED-LENS-M12-201200-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-201200-08

1/2" 8 Megapixel wide range M12 lens

Overview

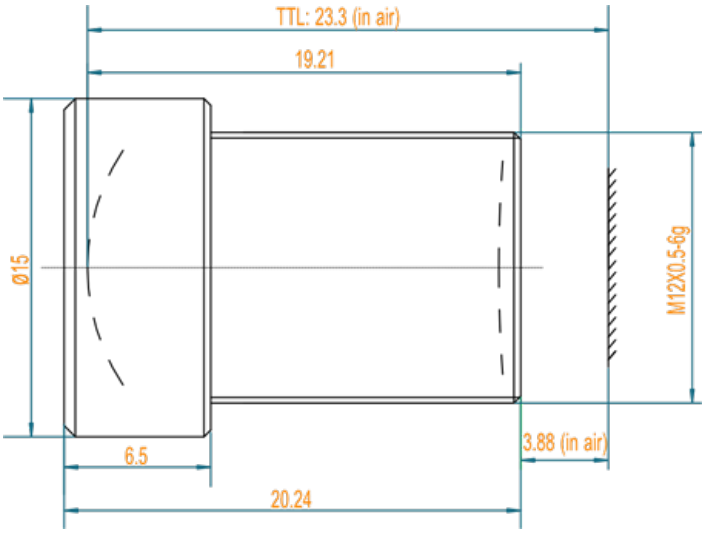
ED-LENS-M12-201200-08 lens can be used on various cameras with M12 interfaces. This 12mm M12 lens provides a 36.4° Horizontal Field of View on 1/2" sensors.

Specifications

Resolution		8 Megapixel	
Optical format		1/2"	
TTL (Total Track Length)		23.3mm	
EFL (Effective Focal Length)		12mm	
Aperture		F2.0	
Mount		M12	
FOV (Field of View) DxHxV		1/2" OS08A10	1/2.3" IMX577
	D	41.4°	36.9°
	H	36.4°	29.8°
	V	20.9°	22.4°
Optical Distortion		-2%	
CRA (Chief Ray Angle)		5°	
MOD (Minimum Object Distance)		0.15m	
BFL (Back Focal Length)		5.06mm	
MBF (Mechanical Back Focal)		3.88	

Structure	8G	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ15×20.24	
Weigh (g)	7	
Working Temperature	-15ºC to +75ºC	

Mechanical Drawing

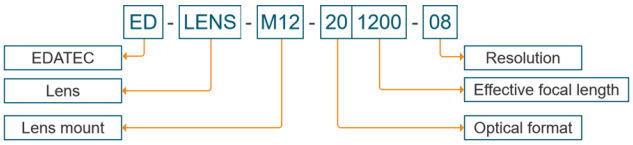


Unit	mm
Size Tolerance	0-10±0.1, 10-30±0.3, 30-120±0.5
Angle Tolerance	±2°

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-M12-201200-08

Configration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 12mm M12 lens provides a 36.4° Horizontal Field of View on 1/2" sensors.

Selection Guide

More details about Ordering Code, please check Selection Guide.