ED-LENS-M12-230356-08

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-230356-08

1/2.3" 8 Megapixel wide range M12 lens

Overview

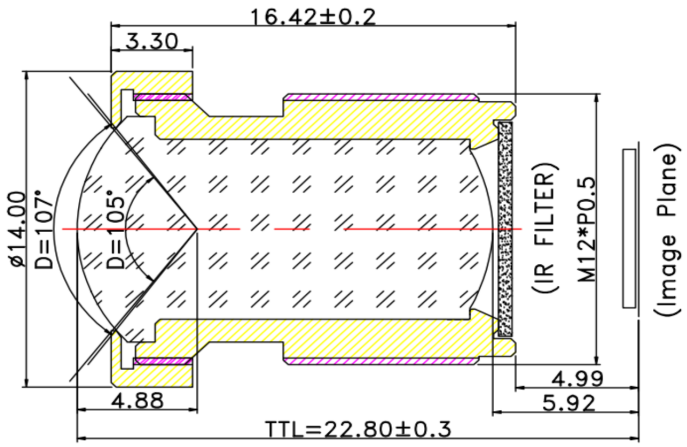
ED-LENS-M12-230356-08 lens can be used on various cameras with M12 interfaces. This 3.56mm M12 lens provides an 88° Horizontal Field of View on 1/2.3" sensors.

Specifications

Resolution		8 Megapixel			
Optical format		1/2.3"			
Image Circle		Φ7.86			
TTL (Total Track Length)		22.80mm			
EFL (Effective Focal Length)		3.56mm			
Aperture		F2.5			
Mount		M12×P0.5			
FOV (Field of View) DxHxV		1/2.3"(IMX117)	1/2.3"(OV12896)	1/2.3"(IMX557)	1/2.5"(JK-K08)
	D	105°	107°	106°	98°
	H	88°	89°	88°	87°
	V	69°	70°	69°	53°
Optical Distortion		<-16.5%	<-17.6%	<-16.5%	<-13.1%
CRA (Chief Ray Angle)		< 9°	< 10°	< 9°	< 10.33°
Relative Illuminance		>59%	>55.3%	>59%	>72.42%
MOD (Minimum Object Distance)		0.3m			

BFL (Back Focal Length)	5.92mm	
MBF (Mechanical Back Focal)	4.99mm	
Structure	4G3P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×16.42	
Weigh (g)	5.4	
Working Temperature	-30ºC to +75ºC	

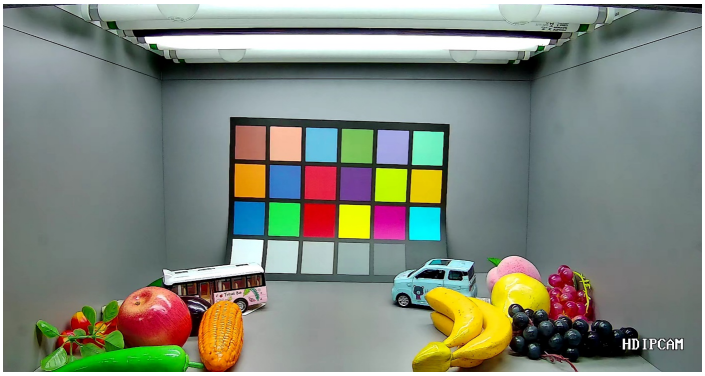
Mechanical Drawing



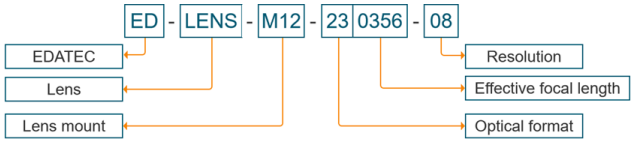
Unit	mm
Size Tolerance	0-10±0.05, 10-30±0.1, 30-120±0.2
Angle Tolerance	±2°

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-M12-230356-08

Configration : EDATEC selected a wide angle of 8 Megapixel M12-mount lens for Camera module, this 3.56mm M12 lens provides an 88° Horizontal Field of View on 1/2.3″ sensors.

Selection Guide

More details about Ordering Code, please check Selection Guide.