ED-LENS-M12-230325-12

Datasheet

by EDA Technology Co., Ltd

built: 2025-08-01

ED-LENS-M12-230325-12

1/2.3" 12 Megapixel wide range M12 lens

Overview

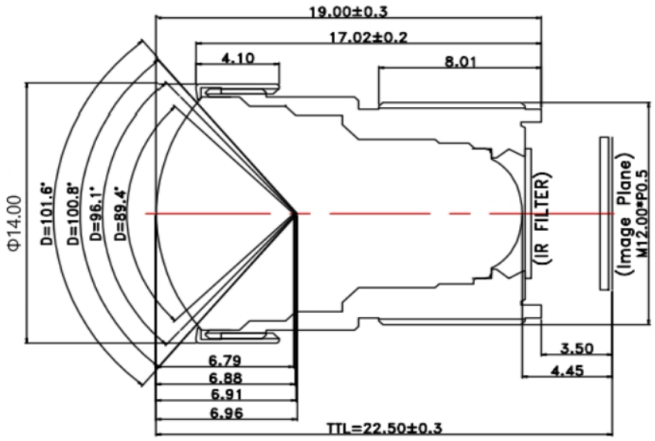
ED-LENS-M12-230325-12 lens can be used on various cameras with M12 interfaces. This 3.25mm M12 lens provides an 88.5° Horizontal Field of View on 1/2.3" sensors.

Specifications

Resolution		12 Megapixel			
Optical format		1/2.3"			
Image Circle		Φ8.3			
TTL (Total Track Length)		22.50mm			
EFL (Effective Focal Length)		3.25mm			
Aperture		F2.6			
Mount		M12×P0.5			
FOV (Field of View) DxHxV		1/2.3"(IMX577)	1/2.5"(JK-K08)	1/2.8"(IMX415)	1/3.06"(IMX458)
	D	101.6°	96.1°	89.4°	84.4°
	H	88.5°	87.9°	81.2°	71.7°
	V	71.6°	56.2°	51°	56°
TV Distortion		<-0.6%	<-0.55%	<-0.3%	< 0.33%
CRA (Chief Ray Angle)		< 19.3°	< 17.33°	< 15.6°	< 14.4°
Relative Illuminance		>59%	>66.15%	>72.98%	>77.22%
MOD (Minimum Object Distance)		0.3m			

BFL (Back Focal Length)	4.45mm	
MBF (Mechanical Back Focal)	3.50mm	
Structure	4G2P	
Operation	Focus	Manual
	Iris aperture	Fixed
Dimension (mm)	Φ14×19	
Weigh (g)	6	
Working Temperature	-30ºC to +75ºC	

Mechanical Drawing

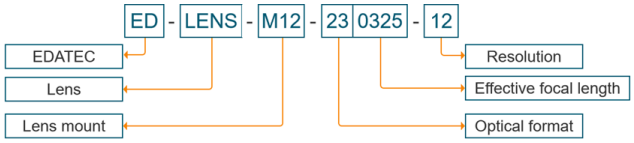


Unit	mm
Size Tolerance	0-10±0.05, 10-30±0.1, 30-120±0.2
Angle Tolerance	±2°

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-M12-230325-12

Configration : EDATEC selected a wide angle of 12 Megapixel M12-mount lens for Camera module, this 3.25mm M12 lens provides an 88.5° Horizontal Field of View on 1/2.3" sensors.

Selection Guide

More details about Ordering Code, please check Selection Guide.