



ED-LENS-C-305000-10

Datasheet

by EDA Technology Co., Ltd

built: 2025-09-05

ED-LENS-C-305000-10

2/3" C-Mount 50mm Focal Length Lens

Overview

ED-LENS-C-305000-10 is a C-Mount lens compatible with the Raspberry Pi HQ Camera module. With a 50mm focal length, it supports manual focus and adjustable aperture, providing a 10.08° Horizontal Field of View on 2/3" sensors.

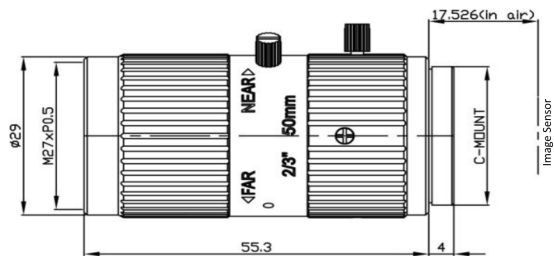


Specifications

Resolution		10 Megapixel		
Optical format		2/3"		
EFL (Effective Focal Length)		50mm		
Aperture		F2.8-F16, adjustable		
Mount		C-Mount		
Filter Thread		M27×P0.5		
FOV (Field of View) DxHxV		2/3"	1/2"	1/3"
	D	12.57°	9.16°	6.89°
	H	10.08°	7.34°	5.51°
	V	7.57°	5.51°	4.13°
TV Distortion		0.094%	0.055%	0.025%
MOD (Minimum Object Distance)		0.30m~∞		
BFL (Back Focal Length)		14.24mm		
Operation	Focus	Manual		
	Iris aperture	Manual		

Dimension (mm)	Φ29×60.7
Weigh (g)	72
Working Temperature	-20°C to +60°C

Mechanical Drawing



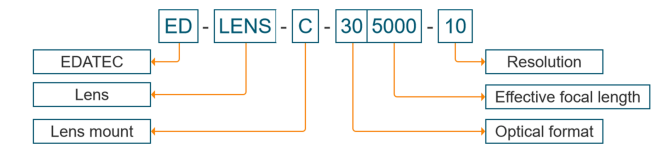
Unit	mm
Size Tolerance	0-10±0.05, 10-30±0.10, 30-120±0.20
Angle Tolerance	±2°

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-C-305000-10

Configuration : EDATEC selected a wide angle of 10 Megapixel C-mount lens for Camera module, this 50mm C-mount lens provides a 10.08° Horizontal Field of View on 2/3" sensors.

Selection Guide

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