



ED-LENS-C-301200-10

Datasheet

by EDA Technology Co., Ltd

built: 2025-09-05

ED-LENS-C-301200-10

2/3" C-Mount 12mm Focal Length Lens

Overview

ED-LENS-C-301200-10 is a C-Mount lens compatible with the Raspberry Pi HQ Camera module. With a 12mm focal length, it supports manual focus and adjustable aperture, providing a 40.3° Horizontal Field of View on 2/3" sensors.

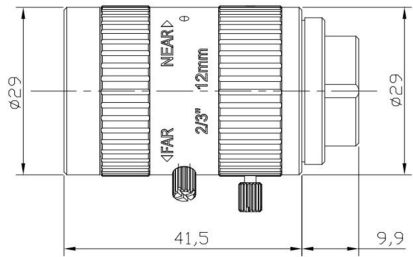


Specifications

Resolution		10 Megapixel		
Optical format		2/3"		
EFL (Effective Focal Length)		12mm		
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	49.2°	36.9°	28.1°
	H	40.3°	29.9°	22.7°
	V	30.8°	22.7°	17.1°
TV Distortion		0.037%	-0.170%	-0.150%
MOD (Minimum Object Distance)		0.15m~∞		
BFL (Back Focal Length)		8.43mm		
Operation	Focus	Manual		
	Iris aperture	Manual		

Dimension (mm)	Φ29×51.4
Weigh (g)	70
Working Temperature	-20°C to +60°C

Mechanical Drawing



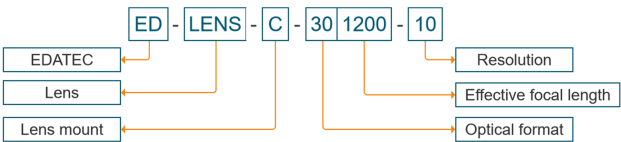
Unit	mm
Size Tolerance	0-10±0.05, 10-30±0.10, 30-120±0.20
Angle Tolerance	±2°

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-301200-10
Configuration : EDATEC selected a wide angle of 10 Megapixel C-mount lens for Camera module, this 12mm C-mount lens provides a 40.3° Horizontal Field of View on 2/3" sensors.

Selection Guide

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