



# **ED-LENS-M12-230325-13**

## **Datasheet**

by EDA Technology Co., Ltd

built: 2025-08-22

# ED-LENS-M12-230325-13

1/2.3" 13 Megapixel wide range M12 lens

## Overview

ED-LENS-M12-230325-13 lens can be used on various cameras with M12 interfaces. This 3.25mm M12 lens provides a 117.6° Horizontal Field of View on 1/2.3" sensors.

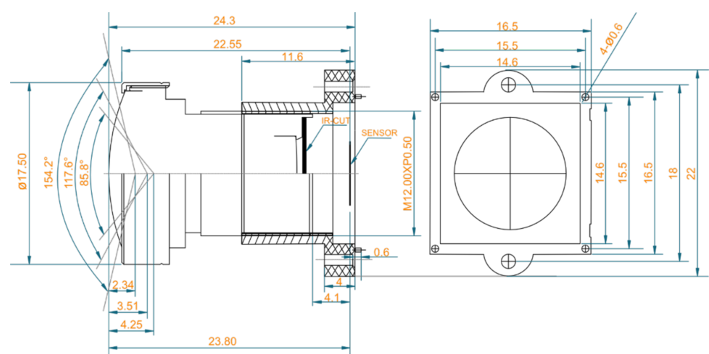


## Specifications

|                               |   |                 |
|-------------------------------|---|-----------------|
| Resolution                    |   | 13 Megapixel    |
| Optical format                |   | 1/2.3"          |
| TTL (Total Track Length)      |   | 23.80mm         |
| EFL (Effective Focal Length)  |   | 3.25mm          |
| Aperture                      |   | F2.7            |
| Mount                         |   | M12             |
| FOV (Field of View) DxHxV     |   | 1/2.3" (IMX477) |
|                               | D | 154.2°          |
|                               | H | 117.6°          |
|                               | V | 85.8°           |
| Optical Distortion            |   | <-15.7%         |
| CRA (Chief Ray Angle)         |   | <13.9°          |
| MOD (Minimum Object Distance) |   | 0.89m           |
| BFL (Back Focal Length)       |   | 5.61mm          |
| MBF (Mechanical Back Focal)   |   | 4.10mm          |

|                     |                |        |
|---------------------|----------------|--------|
| Structure           | 7G             |        |
| Operation           | Focus          | Manual |
|                     | Iris aperture  | Fixed  |
| Dimension (mm)      | Φ17.5×19.7     |        |
| Weigh (g)           | 7.6            |        |
| Working Temperature | -20°C to +70°C |        |

Mechanical Drawing



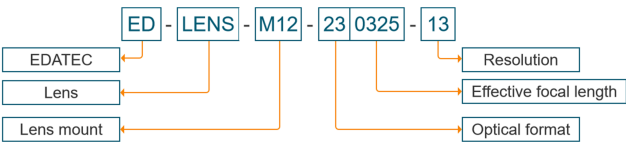
|                 |                                 |
|-----------------|---------------------------------|
| Unit            | mm                              |
| Size Tolerance  | 0-10±0.1, 10-30±0.3, 30-120±0.5 |
| Angle Tolerance | ±2°                             |

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-M12-230325-13**

**Configuration :** EDATEC selected a wide angle of 13 Megapixel M12-mount lens for Camera module, this 3.25mm M12 lens provides a 117.6° Horizontal Field of View on 1/2.3" sensors.

# Selection Guide

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