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Camemake CM_USB2_25 – 12MP USB Imaging Camera Module

High-Performance USB Imaging Solution with Sony IMX362 Sensor

Product Overview

The **CM_USB2_25** is a compact, high-resolution USB imaging module built around the **Sony IMX362** 12MP sensor. Designed for applications requiring precision imaging—such as medical diagnostics, industrial inspection, microscopy, and content capture—it offers a wide field of view, excellent low-light sensitivity, and efficient autofocus capabilities.

Key Features

Feature	Specification
Sensor Brand	Sony
Sensor Model	IMX362
Sensor Size	1/2.55" (~5.7 mm × 4.3 mm)
Resolution	4000 × 3000 (12 Megapixels)
Pixel Size	1.4 μm × 1.4 μm
Shutter Type	Rolling
Aperture	f/1.8
Lens Focal Length	4.266 mm (≈26–28 mm equivalent)
Lens Type	Normal
Auto Focus	VCM
Focus Range	74.3 mm to ∞
Field of View (FOV)	~73.1° H × ~55.1° V (~74.26° DFOV)
Depth of Field at 200 mm	182.4 mm – 221.4 mm
Interface	USB 2.0 (UVC compliant)

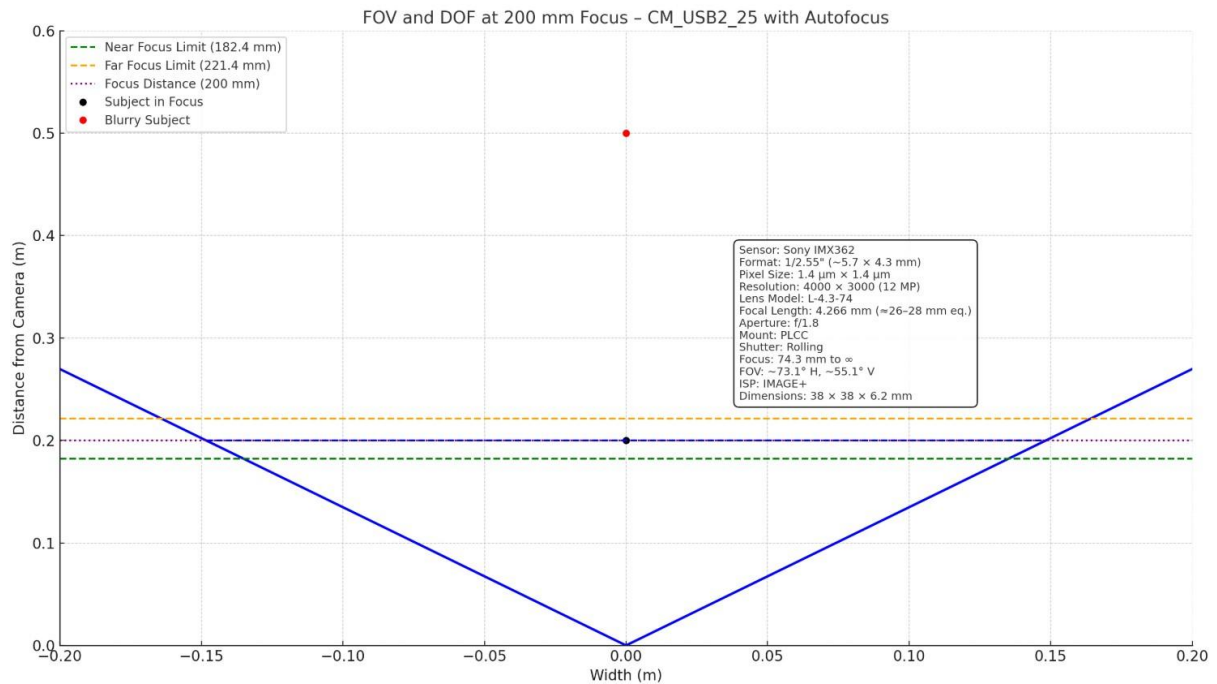
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Feature	Specification
Microphone Support	Yes
Output Format	YUY2 / MJPEG
Mount Type	PLCC
Dimensions (L × W × H)	38 mm × 38 mm × 6.2 mm
Weight	0.05 kg
Power Supply	Via USB

Mechanical & Optical Performance

Focus & DOF at 200 mm Focus

- **Near Limit:** 182.4 mm
- **Far Limit:** 221.4 mm
- **Subject in Focus:** 200 mm
- **Blurry Range:** Outside 182.4 mm – 221.4 mm



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Applications

- **Medical Devices**
- **Microscopy**
- **Machine Vision**
- **Content Capture**
- **Surveillance and Monitoring**
- **Embedded Imaging Systems**

Ordering Information

SKU **CM_USB2_25**

Barcode 6154508599598

Vendor Camemake

Package Contents

- 1x CM_USB2_25 Camera Module