

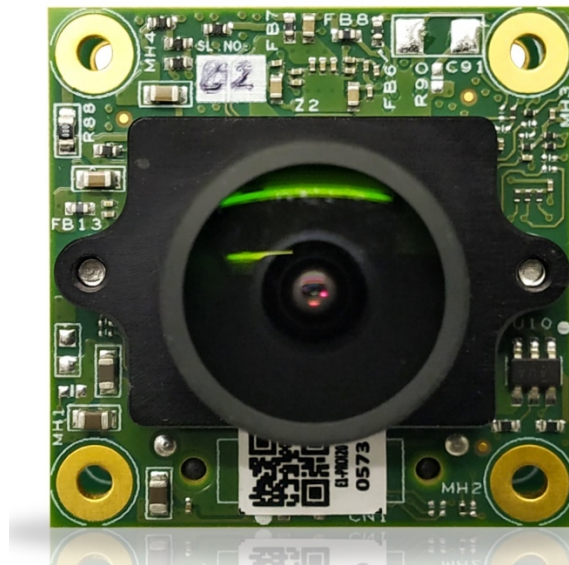


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e-CAM24_CUNX



Lens Datasheet

Revision 21.0



3007th Dec 2020

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1 Revision History

Rev	Date	Description	Author
1.0	07-Dec-2020	Initial draft	Camera Team
<u>2.0</u>	<u>30-Dec-2020</u>	<u>NANO support added</u>	<u>Camera Team</u>



2 Introduction

The e-CAM24_CUNX board is a camera board which is designed and developed by e-con Systems, a leading Embedded Product Design Services Company which specializes in the advanced camera solutions. This 2 MP custom lens camera module is based on 1/2.6" AR0234CS CMOS image sensor from ON Semiconductor®. It is a color camera which supports UYVY image format and provided with S-mount (also known as M12 board lens) lens holder. The S-mount is small form-factor lens mounts for board cameras.

e-CAM24_CUNX can be directly interfaced to the [NVIDIA® Xavier™ NX / Jetson NANO™](#)~~Jetson Xavier™ NX~~ development kit.

This document describes the optical specification of lens used in e-CAM24_CUNX.

3 Disclaimer

e-con Systems reserves the right to edit or modify this document without any prior intimation or whatsoever.

4 Description

The lens used in e-CAM24_CUNX is a high resolution, 1/2.3" format, and wide-angle lens. It provides a maximum Field of View (FOV) of 134°

5 Optical Specifications

The optical specifications of lens are listed in following table.

Description	Specification
Imager Format	1/2.3" (1/2.6" for AR0234CS)
Focal Length	3.0 mm
Aperture (F/#)	2.8
FOV	133.9°(D), 110.4°(H), 67°(V) (with 1/2.6" AR0234CS)
Distortion	< 35 %
Chief Ray Angle	< 16.5°
Lens Barrel Thread	M12 x 0.5

Table 1: Optical Specifications of Lens



6 Mechanical Dimensions

The mechanical dimensions of lens used in e-CAM24_CUNX is shown below.

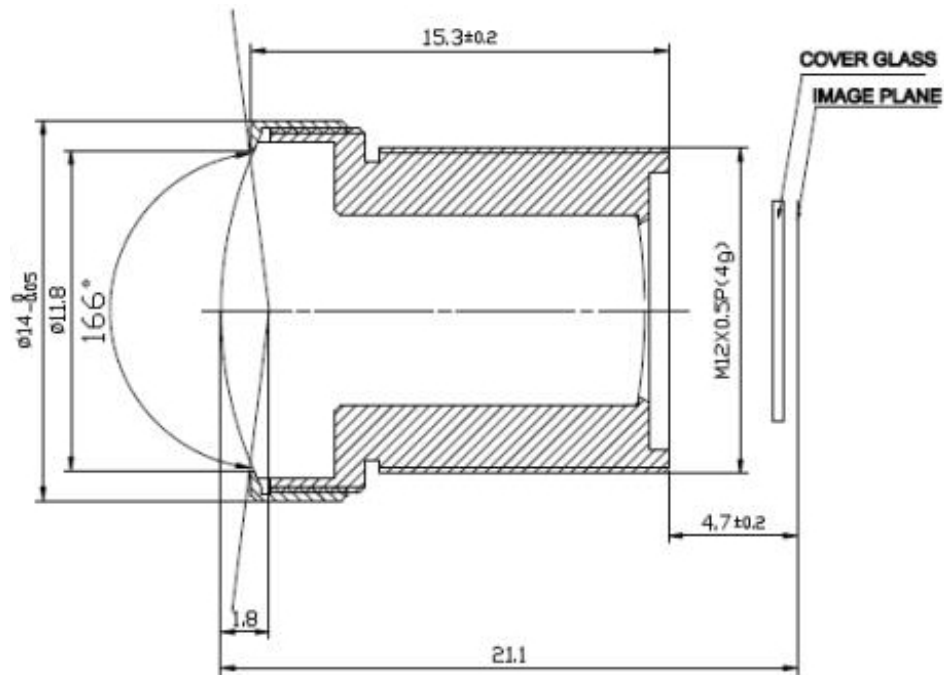


Figure 1: Lens Mechanical Dimensions

Note: All dimensions are in mm.



Support

Contact Us

If you need any support on e-CAM24_CUNX product, please contact us using the Live Chat option available on our website - <https://www.e-consystems.com/>

Creating a Ticket

If you need to create a ticket for any type of issue, please visit the ticketing page on our website - <https://www.e-consystems.com/create-ticket.asp>

RMA

To know about our Return Material Authorization (RMA) policy, please visit the RMA Policy page on our website - <https://www.e-consystems.com/RMA-Policy.asp>

General Product Warranty Terms

To know about our General Product Warranty Terms, please visit the General Warranty Terms page on our website - <https://www.e-consystems.com/warranty.asp>

