

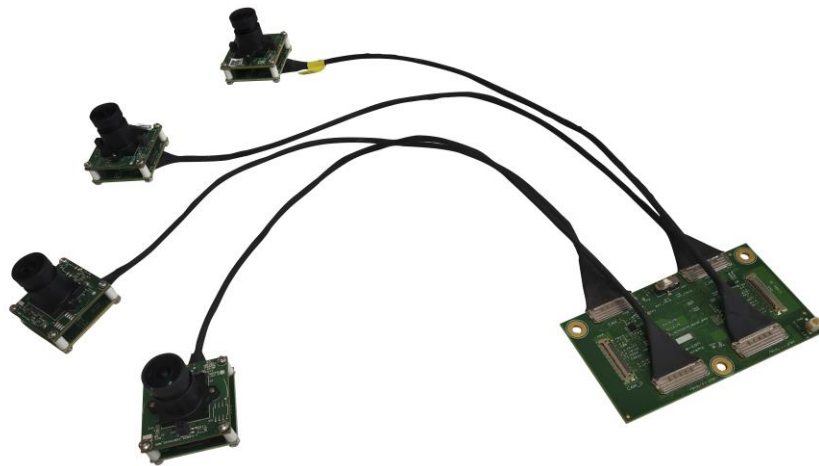


## e-con Systems India Pvt Ltd

7<sup>th</sup> Floor, RR Tower - IV,  
Super A-16 & A-17, Thiru-Vi-Ka Industrial Estate,  
Guindy, Chennai - 600 032.

[www.e-consystems.com](http://www.e-consystems.com)

### e-CAM130A\_CUXVR



## Lens Datasheet

Revision 1.3

24<sup>th</sup> June 2020



**Contents**

1 Revision History..... 3

2 Introduction..... 4

3 Disclaimer..... 4

4 Description..... 4

5 Optical Specifications ..... 4

6 Mechanical Dimensions..... 5

Support ..... 6



## 1 Revision History

Rev	Date	Description	Author
1.0	01-January-2019	Initial Draft	Camera Dev Team
1.1	17-March-2020	Updated New Lens Details	Camera Dev Team
1.2	01-June-2020	Updated Product Image	Camera Dev Team
1.3	24-June-2020	Update the product part number	Camera Dev Team



## 2 Introduction

e-con Systems is a leading Embedded Product Design Services Company which specializes in advanced camera solutions. e-CAM130A\_CUXVR is a new MIPI camera board which helps to connect four AR1335 camera modules to the Jetson AGX Xavier™ development kit.

e-CAM130A\_CUXVR board connects maximum of four 13 MP custom lens camera modules based on AR1335 CMOS image sensor from ON Semiconductor®. This 1/3.2" AR1335 CMOS image sensor from ON Semiconductor® provides near CCD image quality with its breakthrough low noise CMOS imaging technology. The four 13 MP color cameras are provided with S-mount lens holder (also known as M12 board lens), which is the most commonly used small form factor lens mounts for board cameras and offers customized optics.

This document describes the optical specifications of lens used in e-CAM130A\_CUXVR.

## 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-CAM130A\_CUXVR is a high resolution, 1/2.3" format, and wide-angle lens. It provides a maximum field of view (FOV) of 134 degrees with 1/3.2" format AR1335 CMOS image sensor.

## 5 Optical Specifications

The optical specification of lens is listed in below table.

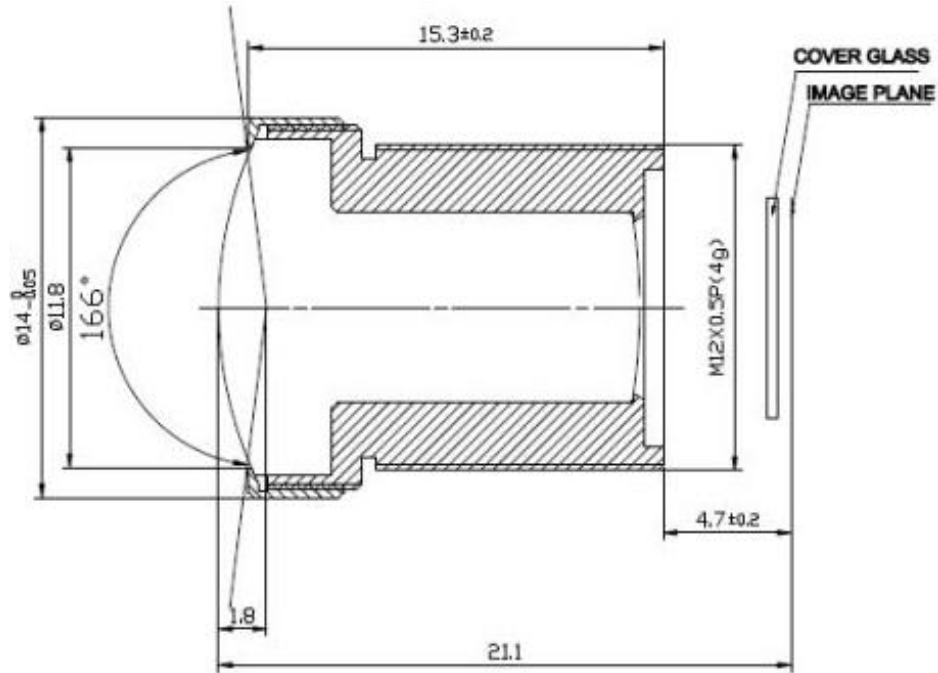
Description	Specification
Imager Format	1/2.3" (1/3.2" for AR1335)
Focal Length	3.0 mm
Aperture (F/#)	2.8
FOV	134° (D), 95° (H), 73° (V) (with 1/3.2" AR1335)
Distortion	< 35 %
Chief Ray Angle	< 16.5°
Lens Barrel Thread	M12 x 0.5

Table 1: Optical Specifications of Lens



## 6 Mechanical Dimensions

The mechanical dimensions of lens used in e-CAM130A\_CUXVR is shown below.



**Figure 1: Lens Mechanical Dimensions**

**Note:** All dimensions are in mm.



## Support

### Contact Us

If you need any support on e-CAM130A\_CUXVR 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>

