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e-CAM56_CUOAGX



Lens Datasheet

Revision 1.1

31 October, 2023



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1 Introduction

e-CAM56_CUOAGX is a 5 MP, MIPI, global shutter color camera from e-con Systems, a company with over two decades of experience in designing, developing, and manufacturing OEM camera. It is a color camera which supports RAW 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-con Systems provides the sample applications that demonstrates the features of this camera. However, this camera can also be utilized by any V4L2 application.

This document describes the optical specification of lens used in e-CAM56_CUOAGX.

2 Disclaimer

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

3 Description

The lens used in e-CAM56_CUOAGX is a high resolution, 1/1.8" format, and wide-angle lens. It provides a maximum Field of View (FOV) of 120°.

4 Optical Specifications

The optical specifications of lens are listed in the following table.

Description	Specification
Imager Format	1/1.8" (1/1.8" for IMX568)
Focal Length	4.4 mm
Aperture (F/#)	2.7
FOV	120°(D), 104.8°(H), 58.7°(V)
Distortion	< 14 %
Lens Barrel Thread	M12 x 0.5

Table 1: Optical Specifications of Lens



5 Mechanical Dimensions

The mechanical dimensions of lens used in e-CAM56_CUOAGX are shown below.

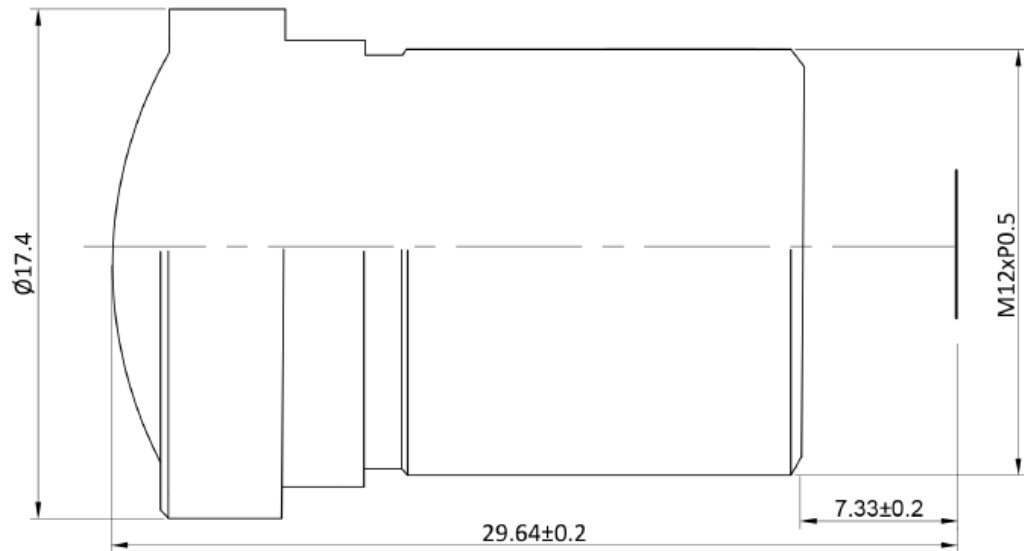


Figure 1: Lens Mechanical Dimensions

Note: All dimensions are in mm.



Revision History

Rev	Date	Description	Author
1.0	20-Jul-2023	Initial draft	Camera Products team
1.1	31-Oct-2023	Image format and resolution updated	Camera Products team



Support

Contact Us

If you need any support on e-CAM56_CUOAGX 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>

