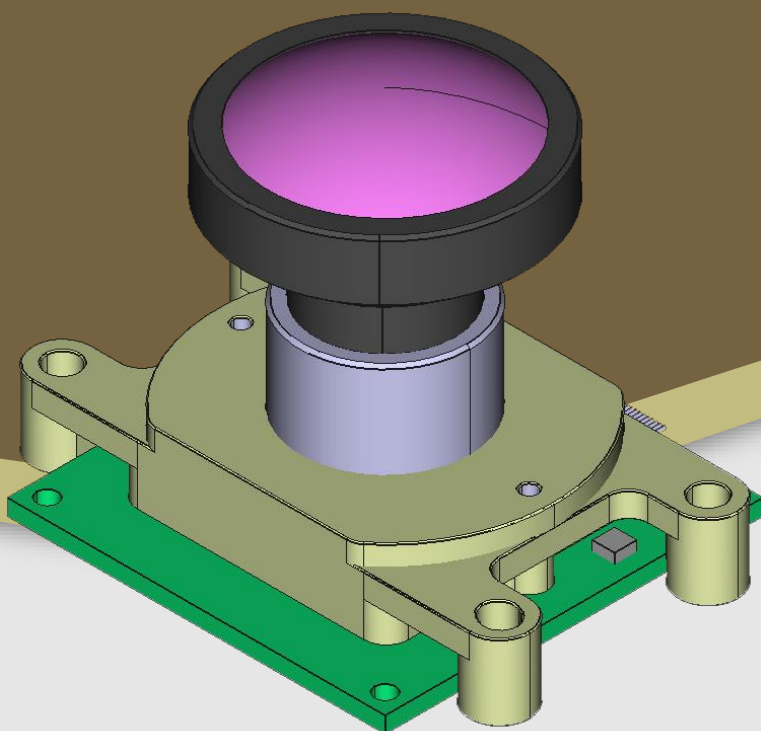




# LI-IMX464-MIPI-093H

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## INTRODUCTION

The LI-IMX464-MIPI-093H is a MIPI CSI-2 camera with Sony diagonal 9.04 mm (Type 1/1.8) CMOS solid-state image sensor IMX464 which ensures high-sensitivity, low dark current, low power consumption and no smear. This camera outputs 10-bit / 12-bit RAW data.

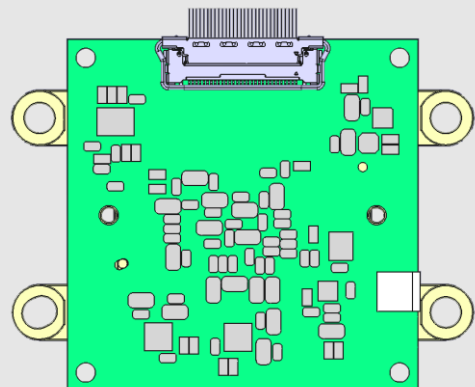
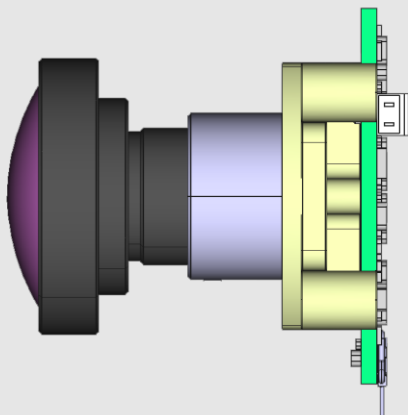
## SPECIFICATIONS

Sensor	Sony Diagonal 9.04 mm (Type 1/1.8) CMOS Image Sensor IMX464
Optical Format	1/1.8"
Resolution	2712 (H) x 1536 (V) (active pixels)
Pixel Size	2.9 x 2.9 $\mu$ m
Output Format	10-bit / 12-bit RAW data
Maximum Frame Rate	90 fps @ 2688 x 1520
ISP	Not included
Color / Mono	Color
Interface	4-lane MIPI CSI-2
Power Consumption	123 mA @ 3.3 VDC
Operating Temp	-30°C ~ +80°C
Storage Temp	-30°C ~ +80°C
Weight	TBD
Part#	LI-IMX464-MIPI-093H

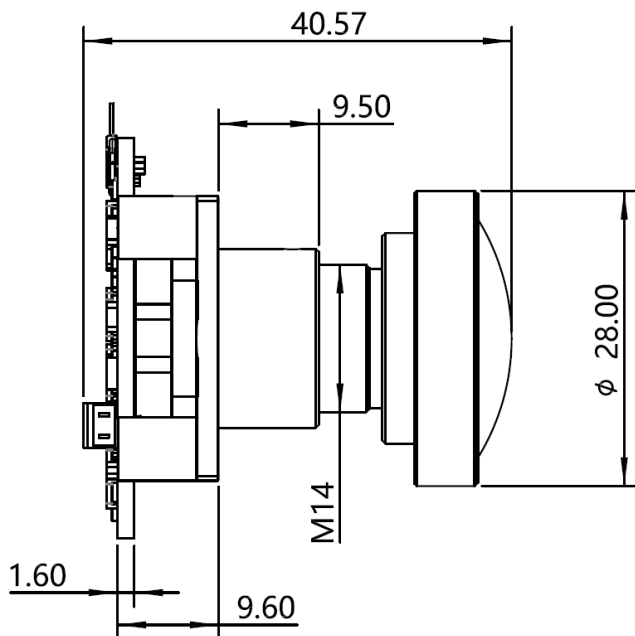
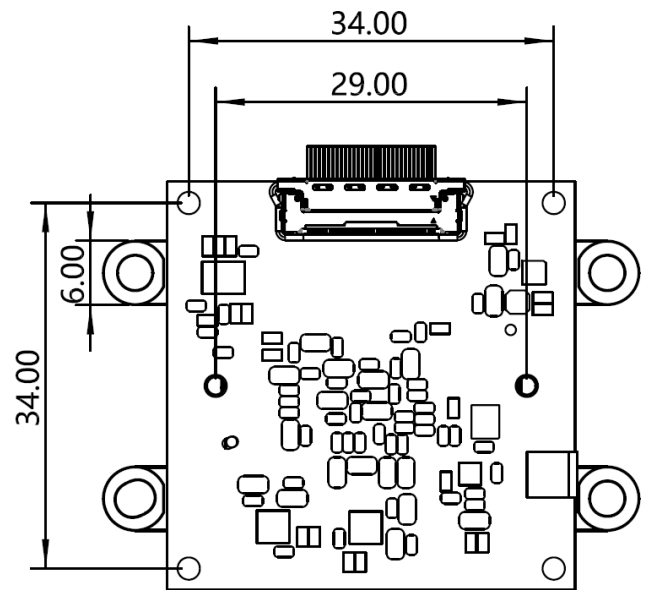
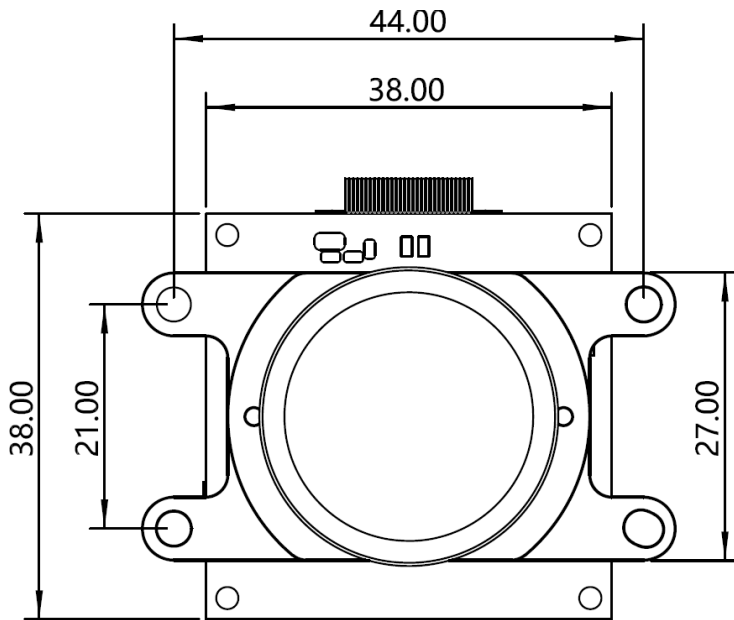
- IoT
- Drone
- Robots

## LENS SPECIFICATIONS

Focal Length	3.98 mm
Aperture, F/#	2.8
Field of View (FOV)	93° horizontal
Optical Distortion	< -10.8%
Relative Illumination	> 50%
IR Filter	650 nm IR cut filter
Lens Mount	M14 x 0.5



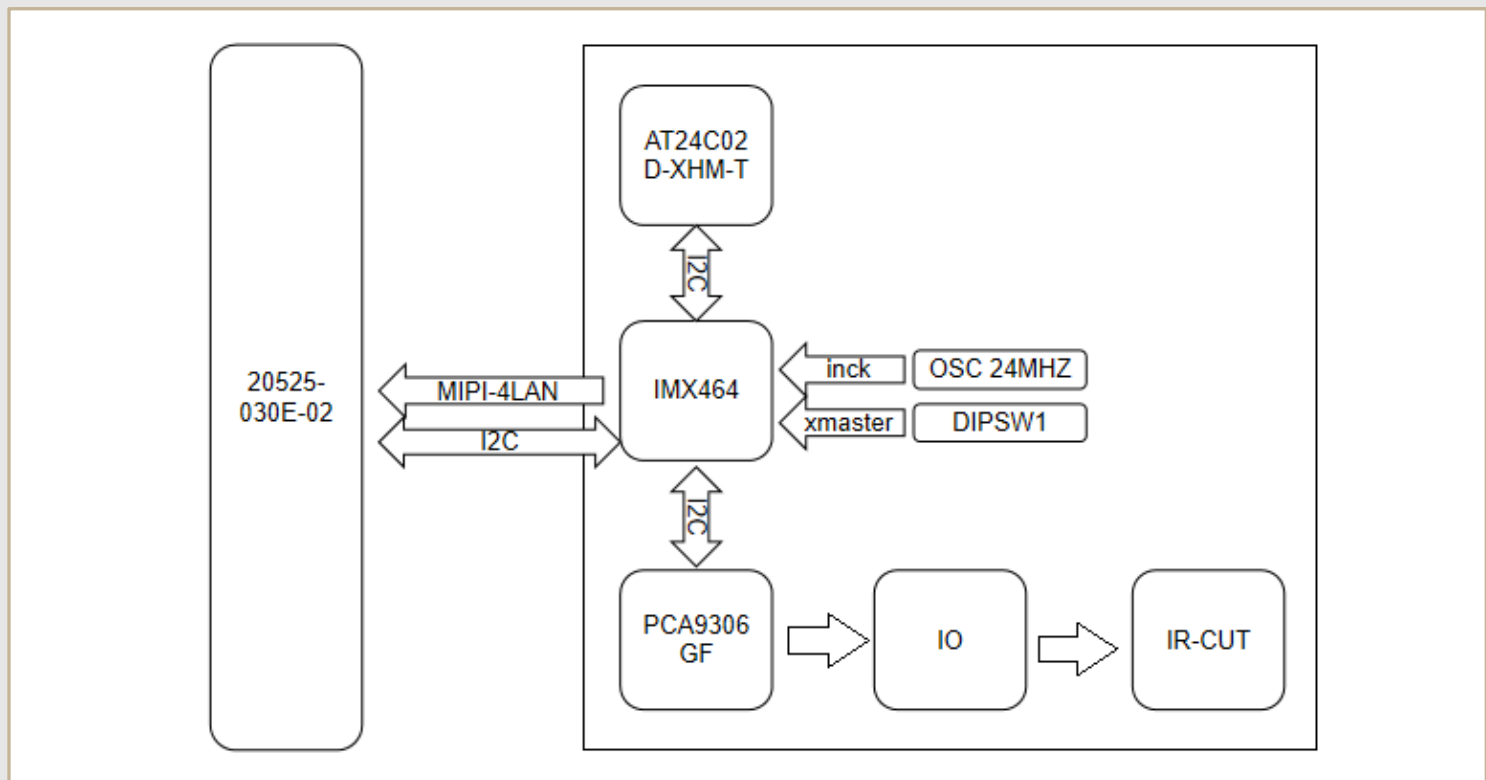
## DIMENSIONS



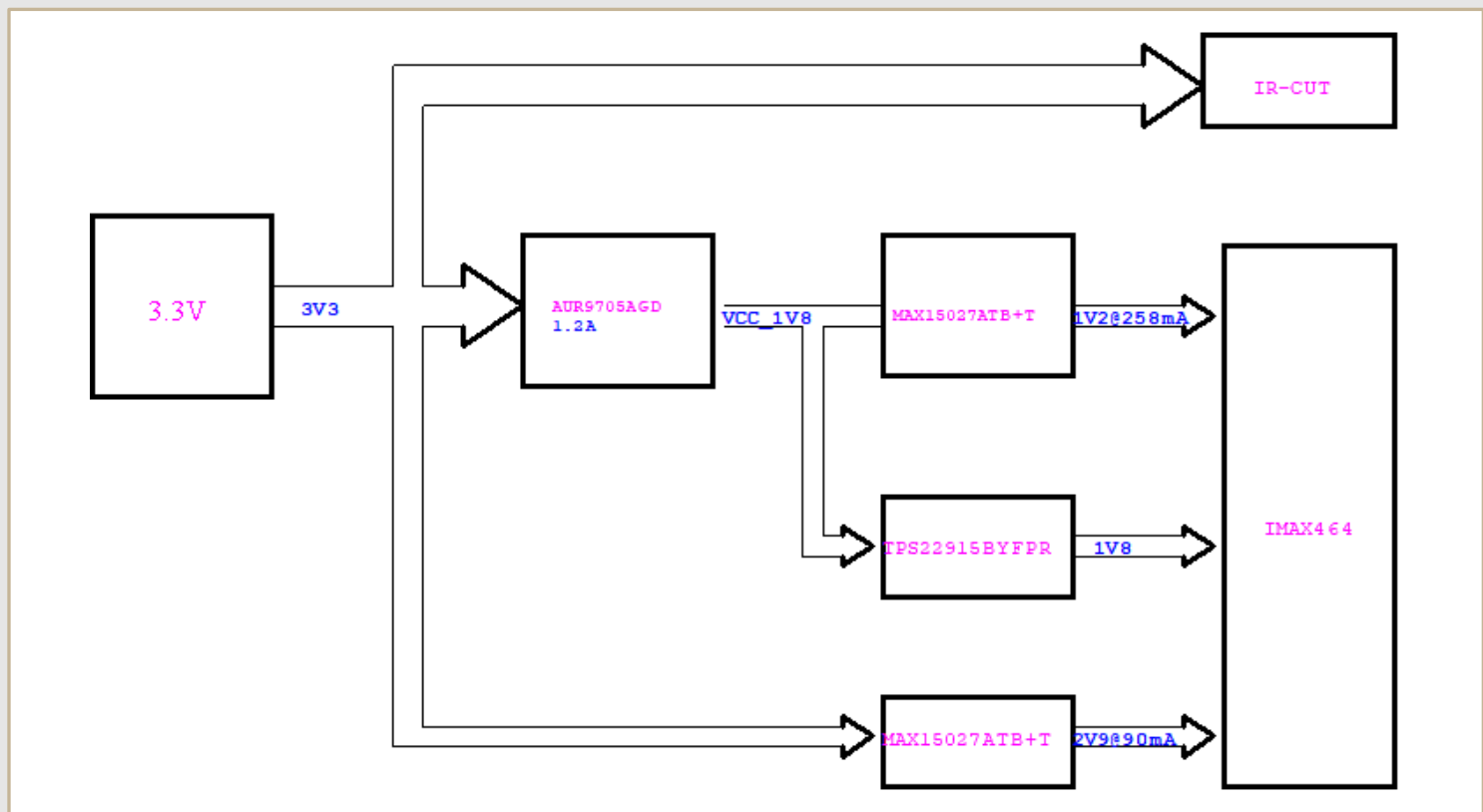
TOLERANCE TABLE		
Size X (mm)	Tolerance (mm)	Angle Tolerance (°)
$0.5 < X \leq 3$	$\pm 0.1\text{mm}$	$\pm 0.05^\circ$
$3 < X \leq 6$	$\pm 0.1\text{mm}$	$\pm 0.05^\circ$
$6 < X \leq 30$	$\pm 0.2\text{mm}$	$\pm 0.05^\circ$
$30 < X \leq 120$	$\pm 0.3\text{mm}$	$\pm 0.05^\circ$
$120 < X \leq 400$	$\pm 0.5\text{mm}$	$\pm 0.1^\circ$
$400 < X \leq 1000$	$\pm 0.8\text{mm}$	$\pm 0.1^\circ$
$X > 1000$	$\pm 1.2\text{mm}$	$\pm 0.1^\circ$

Unit: mm

## SYSTEM BLOCK DIAGRAM



## POWER BLOCK DIAGRAM



## ● SOFTWARE SUPPORT

Platforms	Latest Drivers
NVIDIA Jetson Platforms	Please check detailed Jetson driver information: <a href="https://www.leopardimaging.com/driver-support/">https://www.leopardimaging.com/driver-support/</a>
Leopard USB3.0 Tester	The latest firmware will be pre-installed into the USB3.0 Camera Kit

## • REVISION HISTORY

Revision	Description	Release Date
1.0	First release.	20 Aug 2021

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