



# LI-HD-3D-056H



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## INTRODUCTION

The LI-HD-3D-056H stereo camera is equipped with On Semi AR0135 global shutter image sensor. This camera outputs 720P depth map at 60 frames per second.

## KEY FEATURES

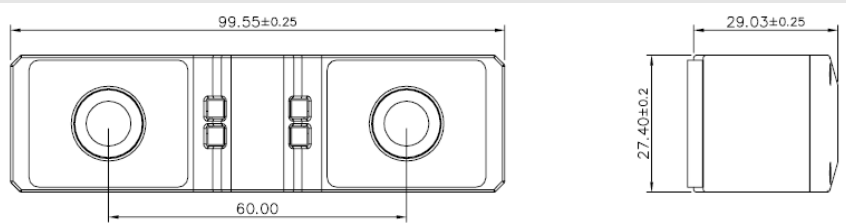
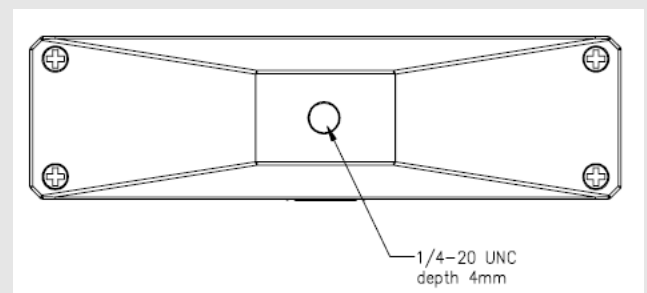
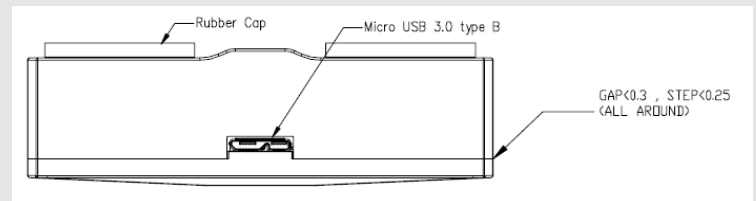
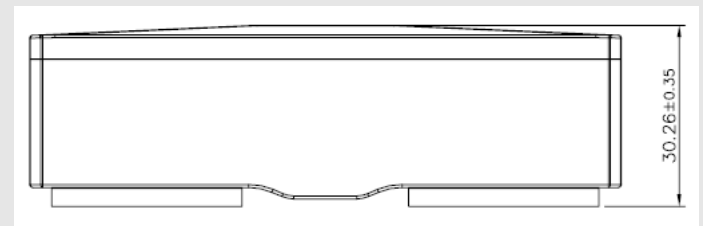
Sensor	ON Semiconductor AR0135CS RGB
Optical format	1/3"
Sensor Resolution	1280H x 960V
Pixel size	3.75 $\mu$ m x 3.75 $\mu$ m
Data format	12-bit RGB RAW
Color/Mono	Color sensor
Shutter	Global shutter
Max depth output	720P @ 60fps
Depth working range	40 cm ~ 180 cm
Depth accuracy	Delta-Z-accuracy $\leq$ 2% Fill rate $\geq$ 99% Spatial noise $\leq$ 2% Temporal Noise $\leq$ 1%
Depth effective FOV	50° H; 30° V
Wavelength	850 $\pm$ 10 nm IR
Power source	USB bus power (5V/900mA by USB 3.0; 5V/500mA by USB 2.0)
Connector	USB 3.0 Micro-B USB 3.0 and USB 2.0 interface supported
Operating Current	Typical 350~900mA (1.75W~4.5W) for 720P at 60fps
Operating Temp	0 ~ +40°C
Storage Temp	0 ~ +40°C
Baseline	6.0 cm
Part#	LI-HD-3D-056H

## APPLICATIONS

- Depth Sensing
- Machine Vision
- AR/VR
- Robotics

## LENS SPECIFICATIONS (OPTIONAL)

Model	TDK FL-G24096B
Focal length	5.06 mm
Aperture, F/#	2.2
FOV	56° H; 40° V; 70° D
BFL	6.99 mm
TV Distortion	< -16%
Mount dimension	M12 x P0.50 mm
IR cut filter	Dual band T850



## ● REVISION HISTORY

Revision	Description	Release date
1.0	First Release	30. Oct. 2020
1.1	Second Release	30. Nov. 2020

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