



LI-OV4689-MIPI



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INTRODUCTION

The LI-OV4689-MIPI is a MIPI CSI-2 camera equipped with OmniVision 1/3" CMOS 4M image sensor OV4689 which features improved OmniBSI-2™ technology. This camera outputs 10-bit RAW data.

SPECIFICATIONS

Sensor	OmniVision CMOS 4M Image Sensor OV4689
Optical Format	1/3"
Resolution	2688 (H) x 1520 (V) (active pixels)
Pixel Size	2.0 x 2.0 μm
Output Format	10-bit RAW data
Maximum Frame Rate	90 fps @ 2688 x 1520 180 fps @ 1280 x 720 120 fps @ 1920 x 1080 330 fps @ 672 x 380
ISP	Not included
Color / Mono	Color
Interface	4-lane MIPI CSI-2
Power Consumption	357 mA @ 5 VDC (2560 x 720 @ 60 fps)
Operating Temp	TBD
Storage Temp	TBD
Weight	~ 12 g
Part#	LI-OV4689-MIPI

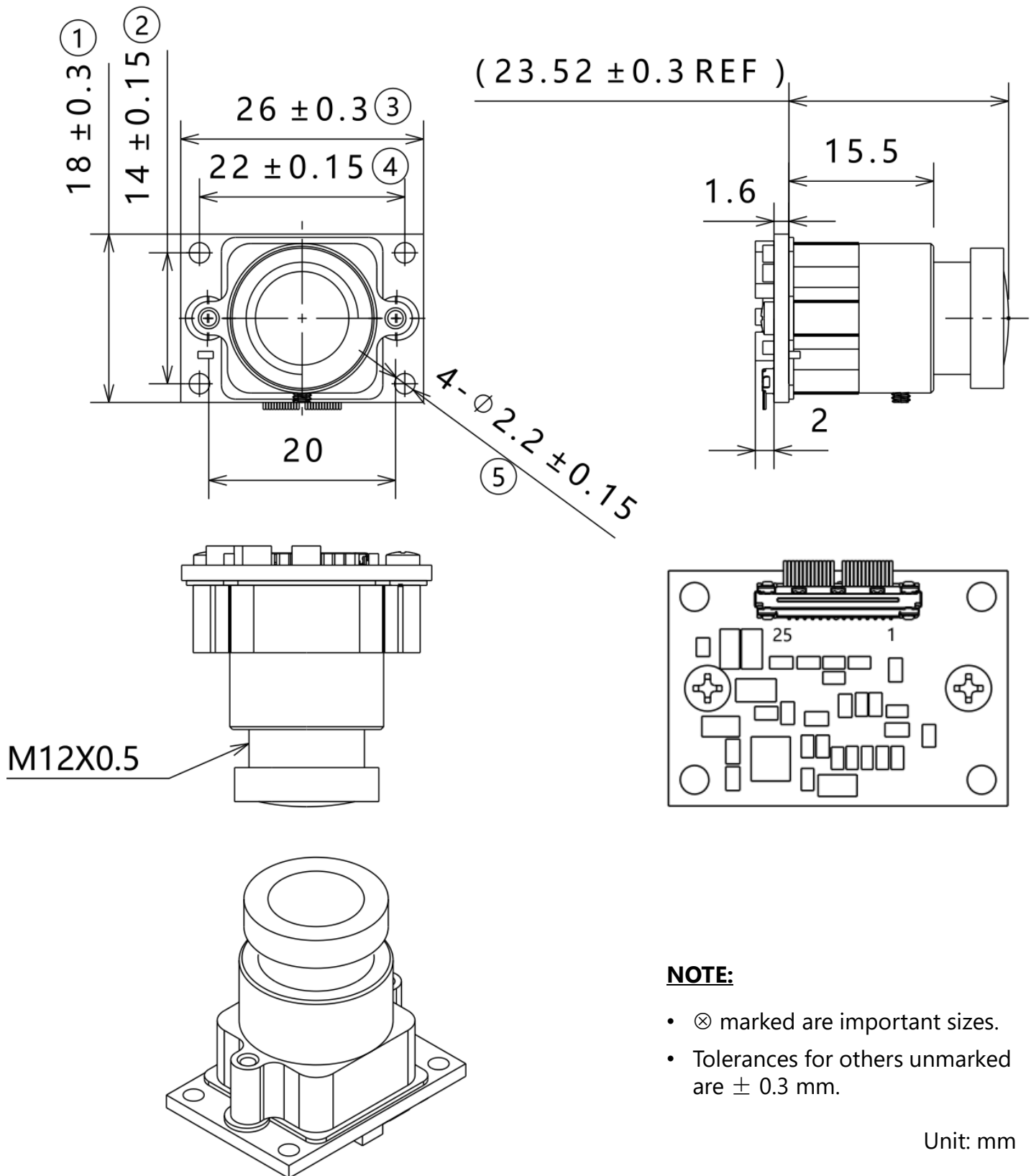
- IoT
- Drone
- Robots

LENS SPECIFICATIONS

Focal Length	3.10 mm $\pm$ 5%
Aperture, F/#	2.0 $\pm$ 5%
Field of View (FOV)	113.2° diagonal
	98.0° horizontal
	58.0° vertical
TV Distortion	< -10.8%
Relative Illumination	< 82.8%
IR Filter	650 nm IR cut filter
Lens Mount	M12 x P0.5

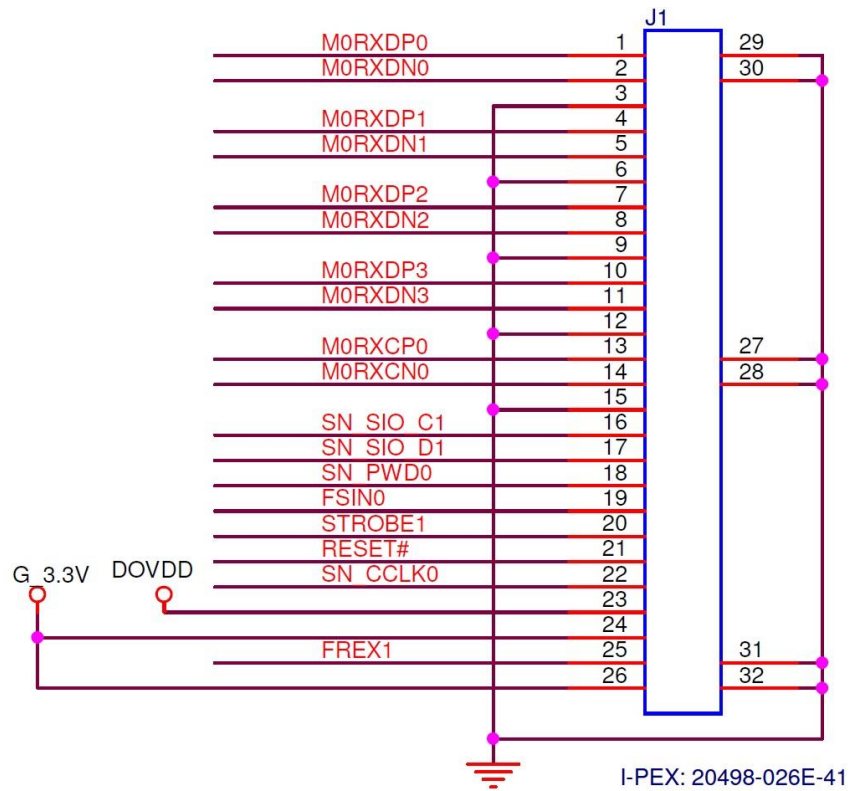
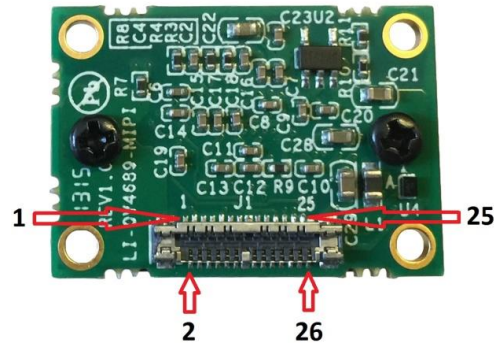


DIMENSIONS



INTERFACE J1

- Connector Part#: 20498-026E-41
- Number of Positions: 26
- Shell Plating: Sn
- Vacuum Clip: With



• REVISION HISTORY

Revision	Description	Release Date
0.1	Initial draft.	25 Dec 2020
0.2	Replaced lens YC-155N with SC3120B and updated related product images and 2D dimensions.	01 Apr 2022
0.3	Replaced 3D images with actual product pictures and updated weight info.	09 Aug 2022

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