



LEOPARD
IMAGING

LI-IMX728-GM2B-xxxH



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INTRODUCTION

The LI-IMX728-GM2B-xxxH is equipped with Sony diagonal 9.30 mm 8.39MP CMOS RGGGB sensor IMX728 and ADI GMSL2 serializer MAX96717G. This camera outputs 3857 x 2177 RAW data.

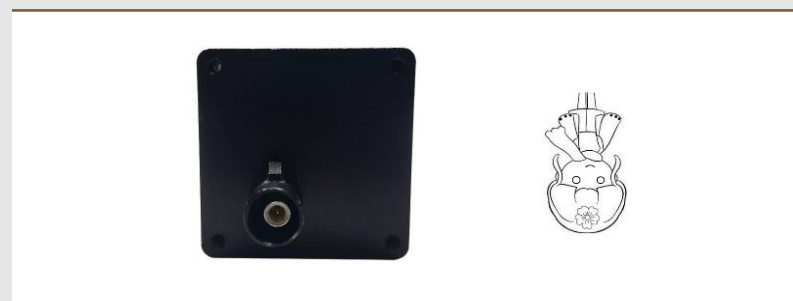
SPECIFICATIONS

Maximum Frame Rate	30 fps @ 3840 x 2160
Output Format	20-bit / 16-bit / 12-bit / 10-bit RAW data
Sensor	Diagonal 9.30 mm 8.39MP CMOS RGGGB Sensor IMX728
Optical Format	1/1.72"
Resolution	3857 (H) x 2177 (V) (active pixels)
Pixel Size	2.1 x 2.1 μ m
Color / Mono	Color sensor
HDR (High Dynamic Range)	Supported
LFM (LED Flicker Mitigation)	Supported
Lens	FOV H 30° / 70°
Serializer	ADI MAX96717G
Power Supply Range	9 ~ 19 VDC
Connector	FAKRA Z TYPE
IP Rating	030H: TBD 070H: IP67
Power Consumption	Approx. 122 mA @ 12 VDC (3840 x 2160 @ 19 fps)
Operating Temp	-40°C ~ +85°C
Storage Temp	-40°C ~ +85°C
Weight	~ 50 g
Part#	LI-IMX728-GM2B-xxxH

APPLICATIONS

- Automotive
 - ◆ High Resolution Front Viewing
 - ◆ Machine Vision
 - ◆ Autonomous Driving
 - ◆ Assisted Driving
 - ◆ Digital Video Recording

IMAGE ORIENTATION



CABLE CONNECTOR

- Housing Connector: FAKRA Z Type
- Cable Length: 3 meters

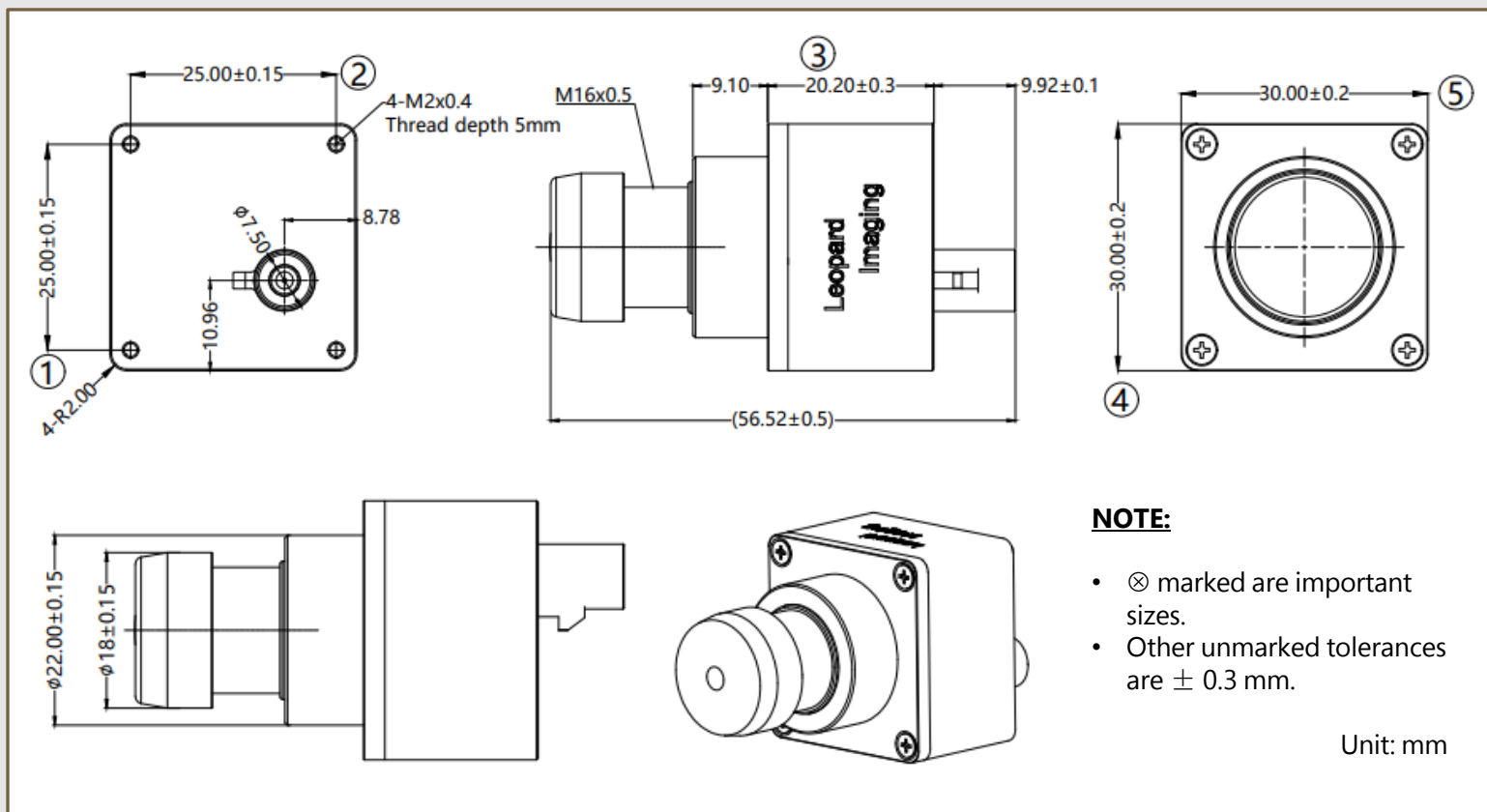


030H

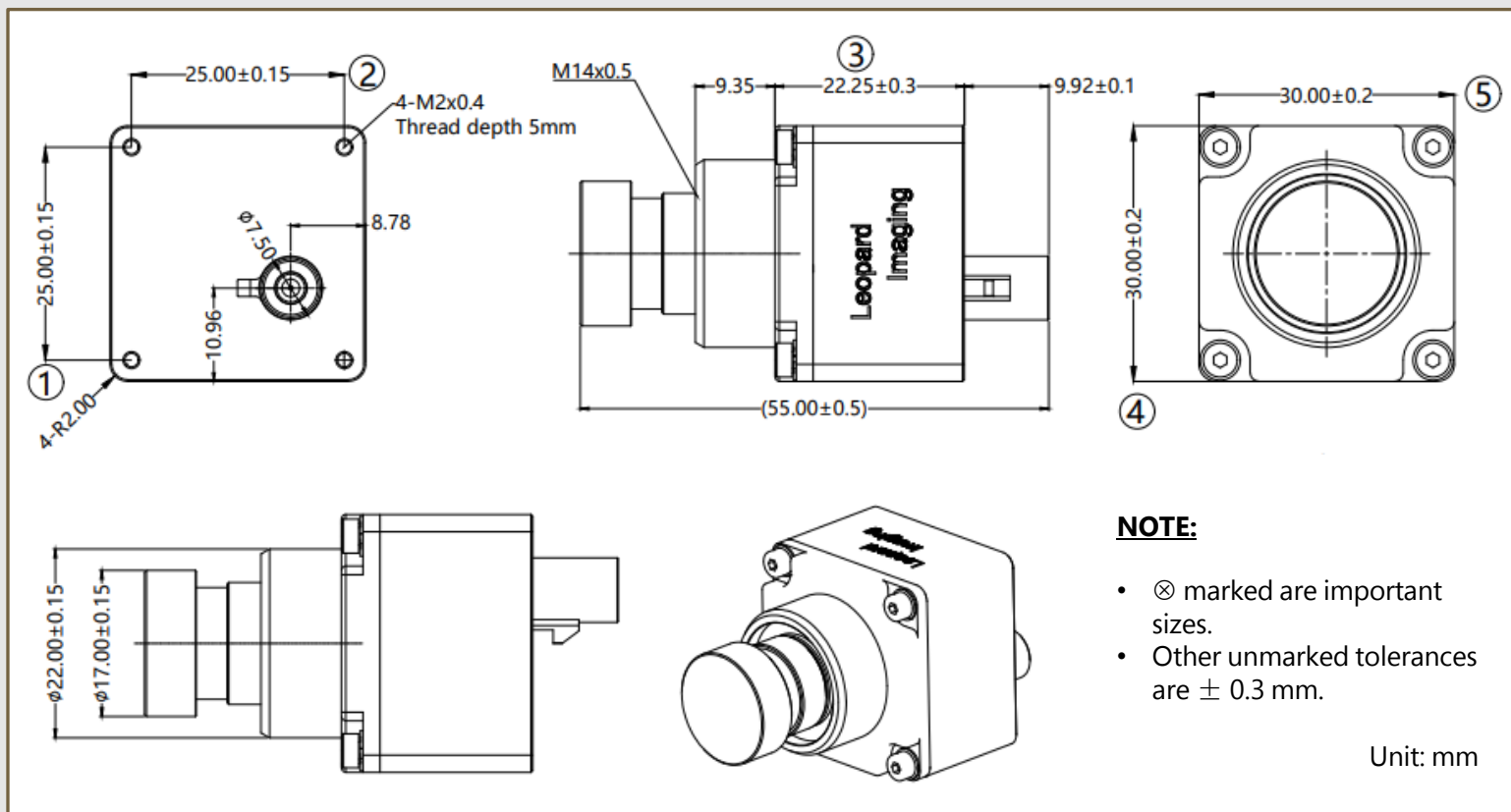


070H

DIMENSIONS: LI-IMX728-GM2B-030H



DIMENSIONS: LI-IMX728-GM2B-070H



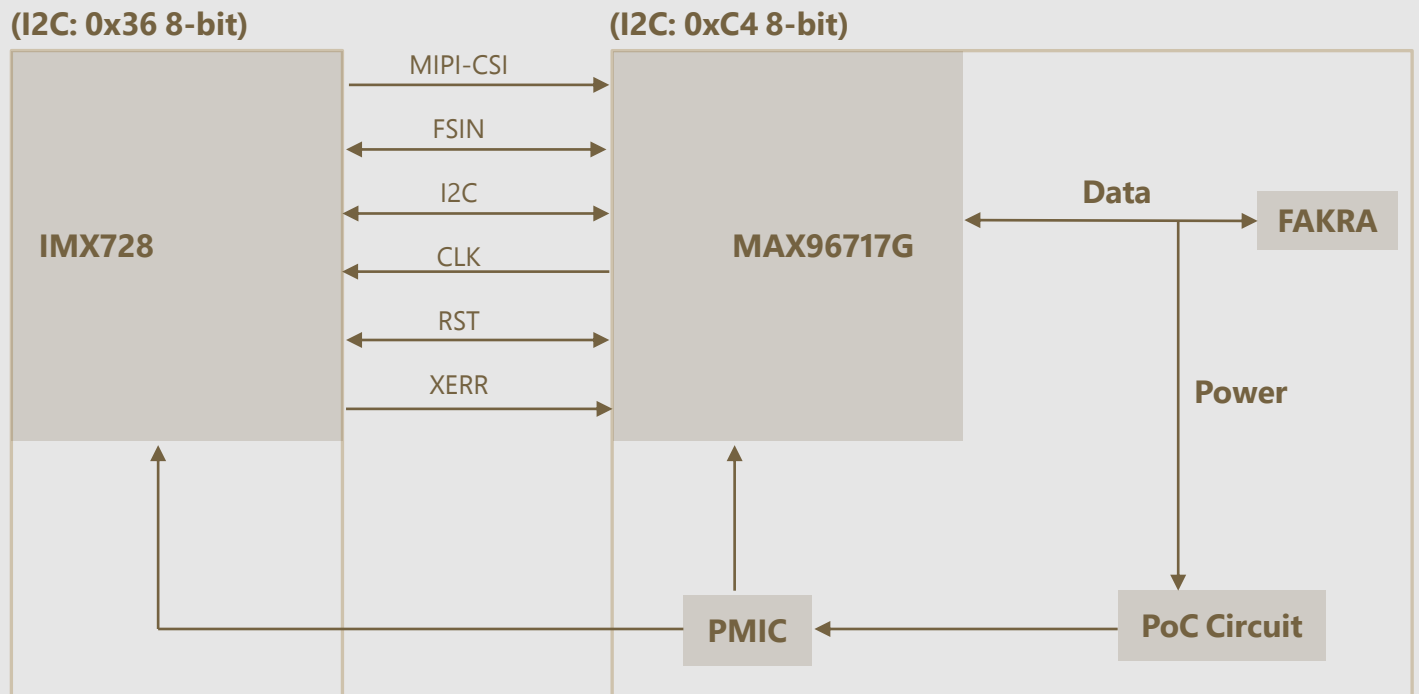
ORDERING INFORMATION

NOTE:

xxxH - 030H: FOV H 30° xxxH - 070H: FOV H 70°

LI-IMX728-GM2B-030H	LI-IMX728-GM2B-070H
	
Lens EFL: 15.3 ± 0.15 mm	Lens EFL: 6.7 ± 0.15 mm
Aperture, F/#: 1.65 ± 0.15	Aperture, F/#: 1.65 ± 0.15
Field of View (FOV): 30.0° horizontal	Field of View (FOV): 70.0° horizontal
IR Filter: 660 nm IR cut filter	IR Filter: 660 nm IR cut filter
Mount: M16	Mount: M14

PINOUT CONNECTIONS



USB3.0 CAMERA KIT

LI-GMSL2-USB



Top View



Bottom View

LI-IMX728-GM2B-xxxH can connect to LI-GMSL2-USB as a USB 3.0 camera.

Part#: **LI-USB30-IMX728-GM2B-xxxH**

SPECIFICATIONS

- USB 3.0 Super Speed support
- UVC compliant
- Allows customization
- 12 VDC Power Supply for camera
- Weight: ~ 117 g
- Single Coax Cable transmits up to 12 meters PoC (Power over Cable)
- Resolution: 3840 x 2160 @ 19 fps
- Power consumption: Approx. 122 mA @ 12 VDC
- Compatible with Windows, Linux OS and other OS which have UVC drivers

BOM

#	Items	QTY
1	LI-IMX728-GM2B-xxxH	1
2	LI-GMSL2-USB	1
3	3-Meter Fakra Cable	1
4	12 VDC Power Supply	1
5	USB3.0 Cable	1



SDK SUPPORTED

- Camera Tool Source Code in C#
- Capture & Display
- Register Access Function

● REVISION HISTORY

Revision	Description	Release Date
0.1	Initial draft.	09 Oct 2024
0.2	Deleted 3-Meter fakra cable P/N,	25 Nov 2024
0.3	Updated Maximum Frame Rate,	29 Sep 2026

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