



LEOPARD
IMAGING

LI-IMX676-GM2B-115H



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INTRODUCTION

The LI-IMX676-GM2B-115H is a high resolution color GMSL2 camera. It is equipped with Sony diagonal 10.04 mm (Type 1/1.6) STARVIS2 CMOS color sensor IMX676 and ADI GMSL2 serializer MAX96717G. This module delivers exceptional image quality in a small form factor, making it suitable for wide-area monitoring and navigation.

KEY FEATURES

Maximum Frame Rate	35 fps @ 3536 × 3536
Output Format	10-bit / 12-bit RAW data
Sensor	Sony STARVIS2 Diagonal 10.04 mm CMOS Image Sensor IMX676
Optical Format	1/1.6"
Pixel Size	2.0 x 2.0 μ m
Color / Mono	Color sensor
Resolution	3552 (H) x 3552 (V) (active pixels)
HDR (High Dynamic Range)	Supported
EEPROM Memory Size	64 Kbit
Serializer	ADI MAX96717G
Connector	FAKRA Z TYPE (GMSL2 Coaxial)
Power Supply Range	9 ~ 19 VDC
Power Consumption	TBD
Operating Temp	TBD
Storage Temp	TBD
Ingress Protection	No waterproof
Weight	~56 g

APPLICATIONS

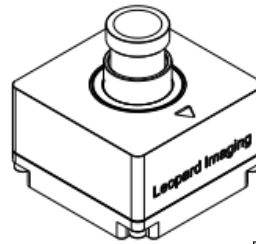
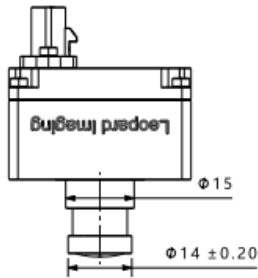
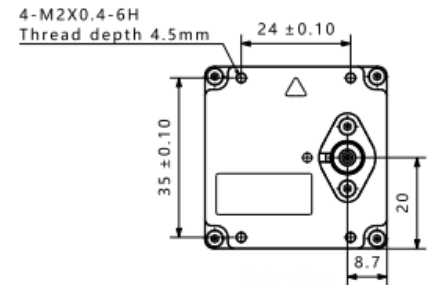
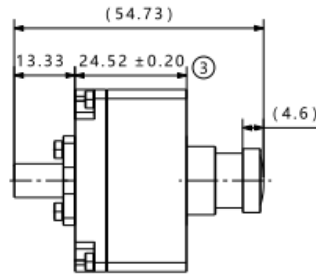
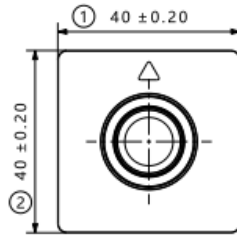
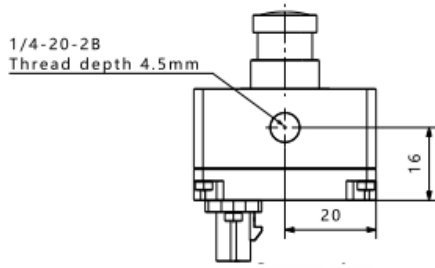
- Security & Surveillance Camera
- IoT
- Robots
- Industrial

LENS SPECIFICATIONS

Effective Focal Length	3.8 mm
Aperture, F/#	2.6
Field of View (FOV)	115° horizontal
TV Distortion	-15.7%
Relative Illumination	38.1%
IR Filter	650 nm IR cut filter
Lens Mount	M12 x 0.5



DIMENSIONS

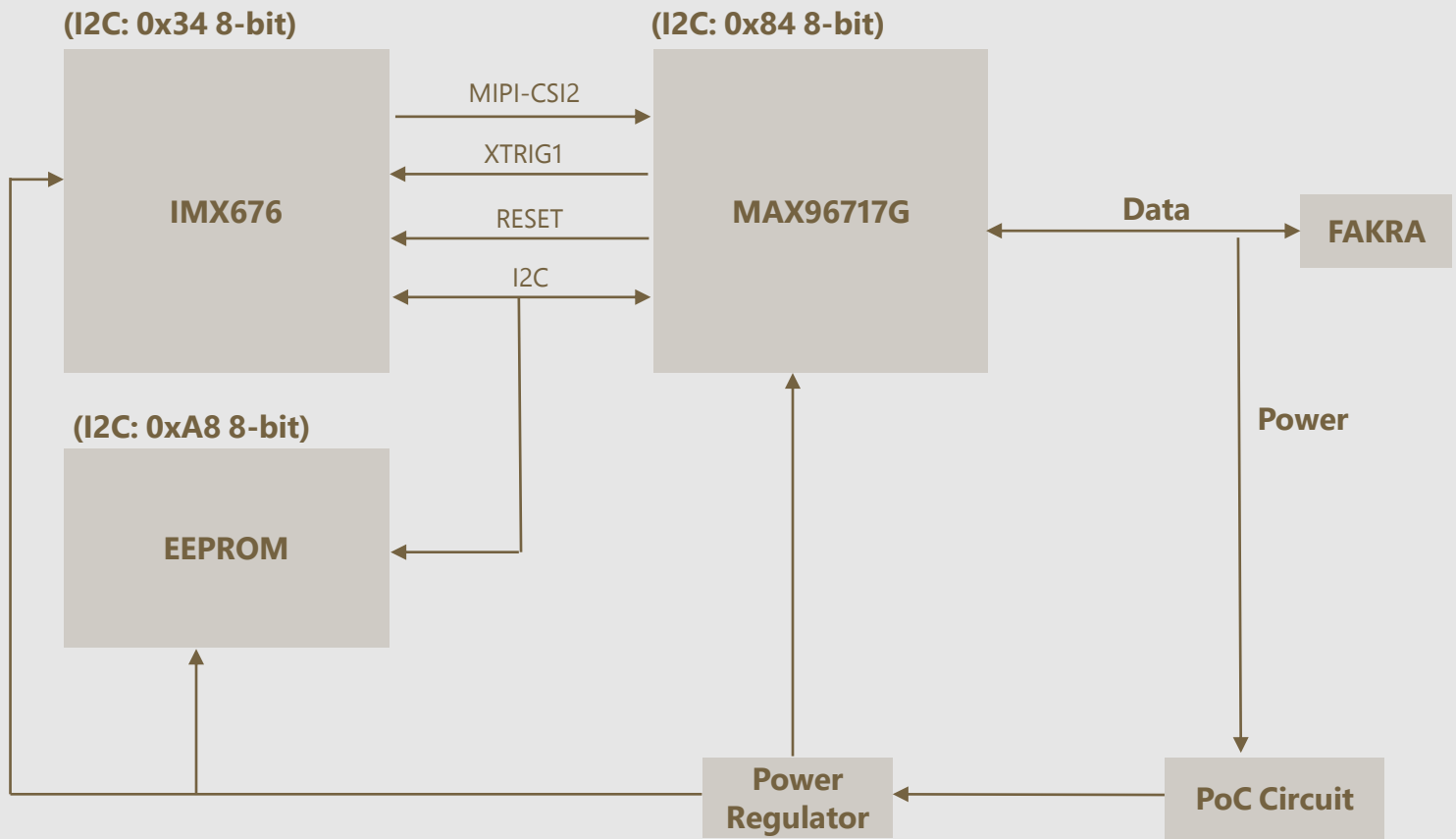


NOTE:

- ⊗ marked are important sizes.
- Tolerances for others unmarked refer to the tolerance table.
- Unit: mm

TOLERANCE TABLE					
LENGTH TOLERANCE		CHAMFER TOLERANCE		ANGLE TOLERANCE	
Size X	Tolerance	Size X	Tolerance	Size X	Tolerance
0.5 < X ≤ 3	±0.1	0.5 < X ≤ 3	±0.2	X ≤ 10	±1°
3 < X ≤ 6	±0.1	3 < X ≤ 6	±0.5	10 < X ≤ 50	±30'
6 < X ≤ 30	±0.2	6 < X ≤ 30	±1	50 < X ≤ 120	±20'
30 < X ≤ 120	±0.3	X > 30	±2	120 < X ≤ 400	±10'
120 < X ≤ 400	±0.5			X > 400	±5'
400 < X ≤ 1000	±0.8				
X > 1000	±1.2				

SYSTEM BLOCK DIAGRAM



● REVISION HISTORY

Revision	Description	Release Date
0.1	Initial draft.	04 Sep 2026

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