



LEOPARD
IMAGING

LI-IMX908-GM2B-140H



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INTRODUCTION

The LI-IMX908-GM2B-140H is a high-resolution color GMSL2 camera equipped with Sony STARVIS 3™ 1/2.8" CMOS sensor IMX908 and ADI MAX96717G GMSL2 serializer. Its 1.45 μm LOFIC pixels deliver outstanding low-light performance and high-quality 4K RAW output, making it ideal for security surveillance and embedded vision applications.

KEY FEATURES

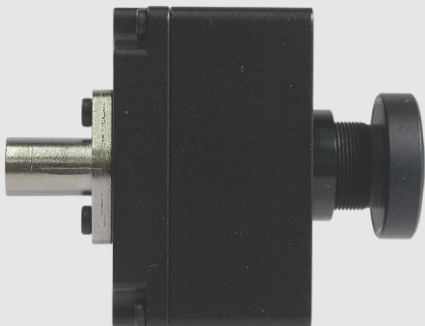
Maximum Frame Rate	60 fps @ 3840 × 2160
Output Format	10-bit / 12-bit RAW data
Sensor	Sony Diagonal 6.42 mm STARVIS 3™ Sensor IMX908
Optical Format	1/2.8"
Pixel Size	1.45 × 1.45 μm
Color / Mono	Color
Resolution	3856 (H) × 2176 (V) (active pixels)
HDR (High Dynamic Range)	Digital overlap HDR, Hybrid HDR3 Clear HDR, Clear HDR3
EEPROM Memory Size	128 Kbit
Serializer	ADI MAX96717G
Connector	FAKRA Z TYPE
Operating Temp	TBD
Storage Temp	TBD
Power Supply Range	9 ~ 19 VDC
Power Consumption	0.1 A @ 12 VDC (20 fps @ 3840 × 2160)
Ingress Protection	No waterproof
Weight	~56 g

APPLICATIONS

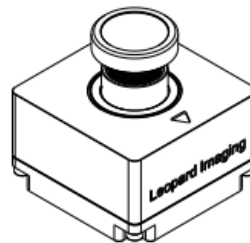
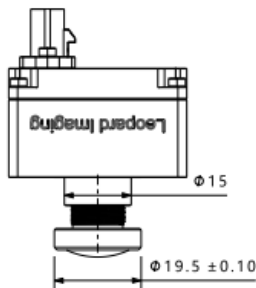
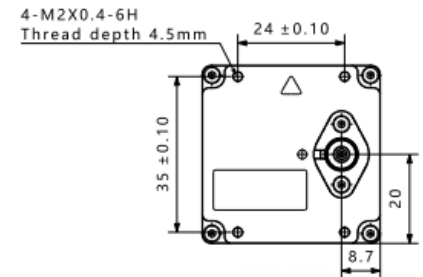
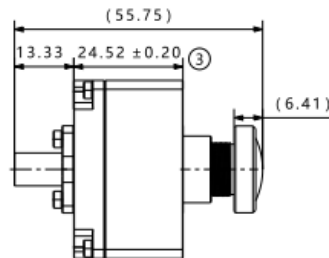
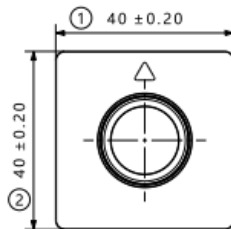
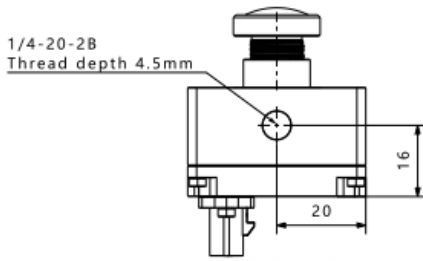
- Security & Surveillance Systems
- Embedded vision systems

LENS SPECIFICATIONS

Focal Length	2.3 mm
Aperture, F/#	2.3
Field of View (FOV)	140° horizontal
Relative Illumination	> 40 %
IR Filter	650 nm IR cut Filter
Lens Mount	M12 x P0.5



DIMENSIONS

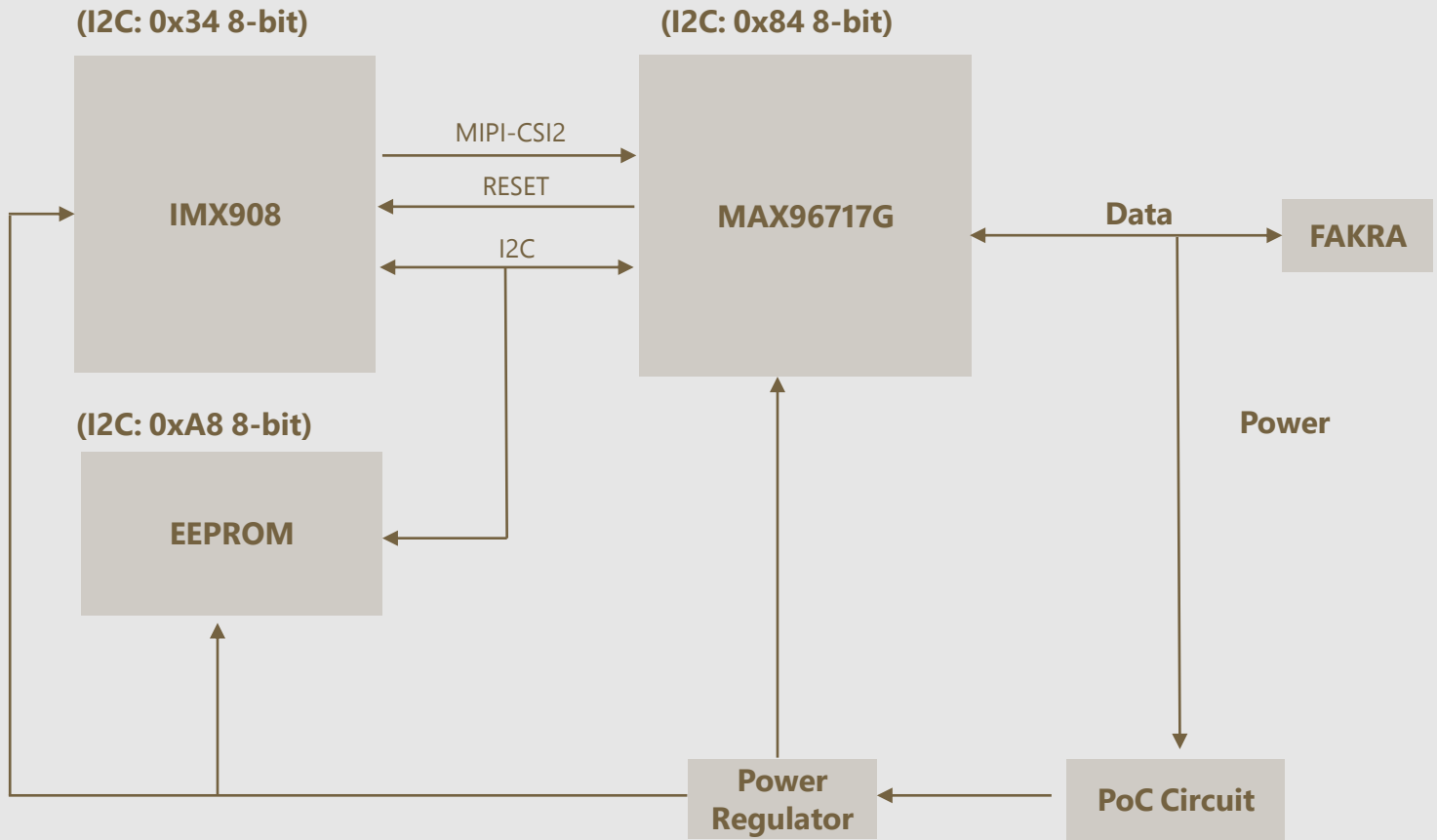


NOTE:

- ⊗ 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.	22 Jun 2026
0.2	1. Updated pictures on the page 1 & 2. 2. Updated Power Consumption and Weight.	27 Jul 2026

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