



LEOPARD
IMAGING

LI-IMX678-GM2B-124H



Address:

910 Auburn Ct
Fremont, CA 94538
USA



Phone:

+1 (408)263-0988

Fax:

+1 (408)217-1960



Sales:

sales@leopardimaging.com

Support:

support@leopardimaging.com

INTRODUCTION

The LI-IMX678-GM2B-124H is a high resolution color GMSL2 camera. It is equipped with Sony diagonal 8.86 mm (Type 1/1.8) STARVIS2 CMOS color sensor IMX678 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	60 fps @ 3840 × 2160
Sensor	Sony Diagonal 8.86 mm STARVIS2 CMOS Sensor IMX678
Optical Format	1/1.8"
Pixel Size	2.0 x 2.0 μ m
Color / Mono	Color sensor
Output Format	10-bit / 12-bit RAW data
Resolution	3856 (H) x 2176 (V) (active pixels)
HDR (High Dynamic Range)	Multi-exposure line-interleaved HDR, up to 140dB dynamic range
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

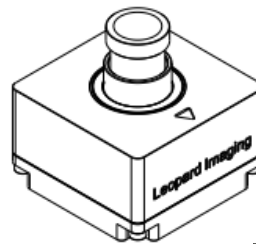
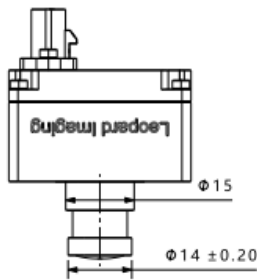
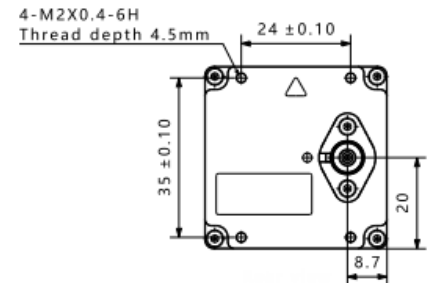
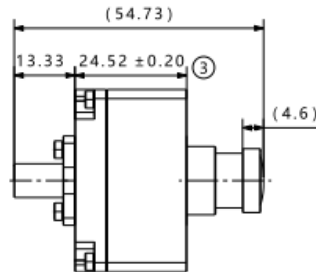
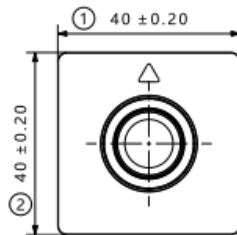
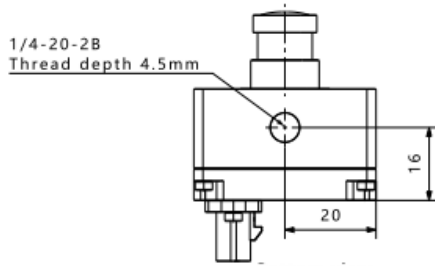
- Security & Surveillance Camera
- IoT
- Robots
- Industrial

LENS SPECIFICATIONS

Effective Focal Length	3.8 mm
Aperture, F/#	2.6
Field of View (FOV)	124° horizontal
TV Distortion	-14.8%
Relative Illumination	77.9%
IR Filter	650 nm IR cut filter
Lens Mount	M12 x P0.5



DIMENSIONS

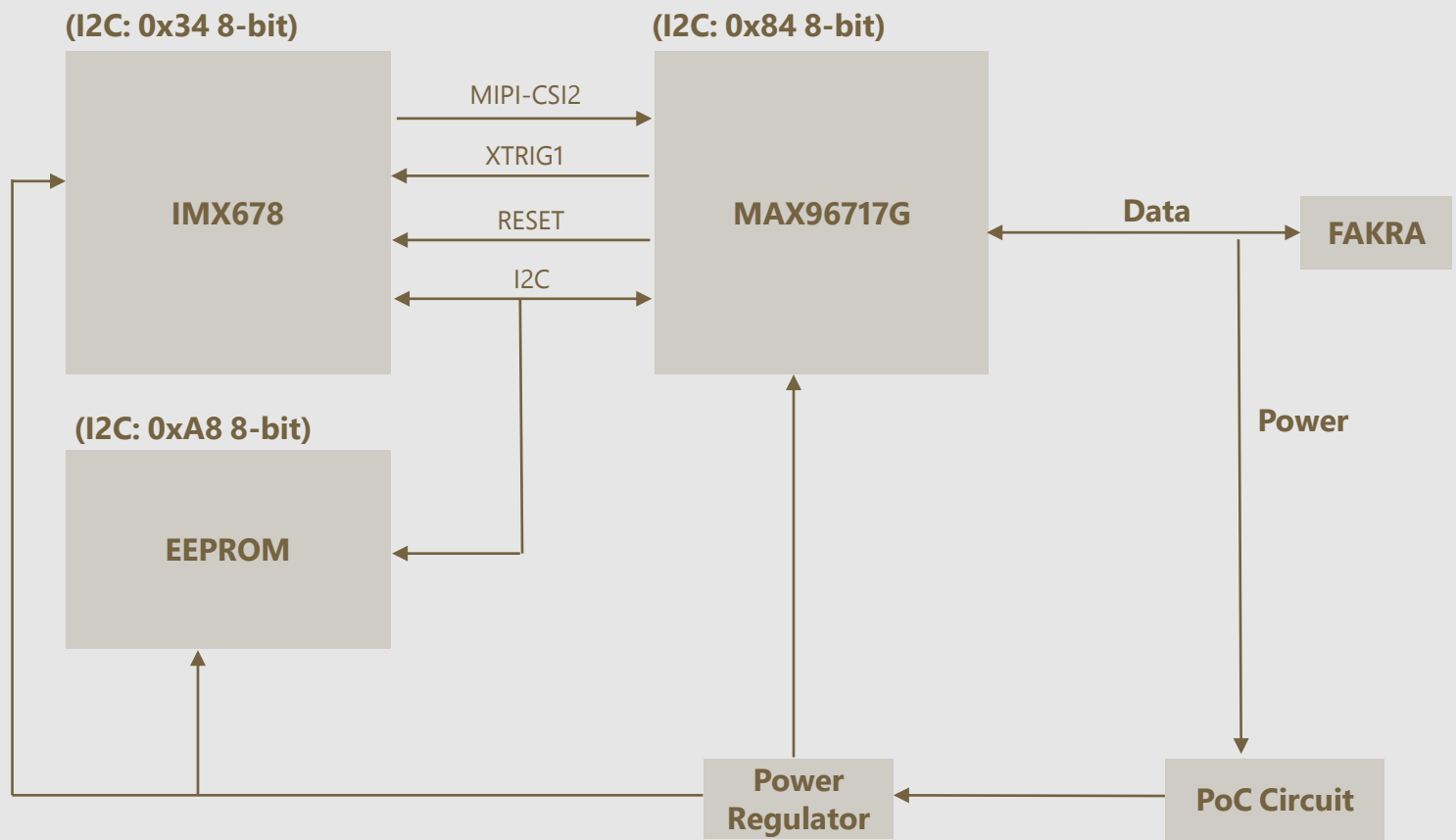


NOTE:

- ⊗ 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

910 Auburn Ct, Fremont, CA 94538, USA

Phone: +1-408-263-0988

Fax: +1-408-217-1960

Email: sales@leopardimaging.com

Website: www.leopardimaging.com

