

EV2U-LOM2-GSCF

USB 2.0 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- USB 2.0 Interface, 2MP @60fps (Max Resolution)
- Support Global Shutter, ISP Inside
- Lens FOV (D/H/V) : 97° / 87° / 61°
- OS Support: Windows, Linux, Android, macOS (UVC)
- Compliant to USB 2.0 and USB Video Class
- Complies with CE/ FCC Class A

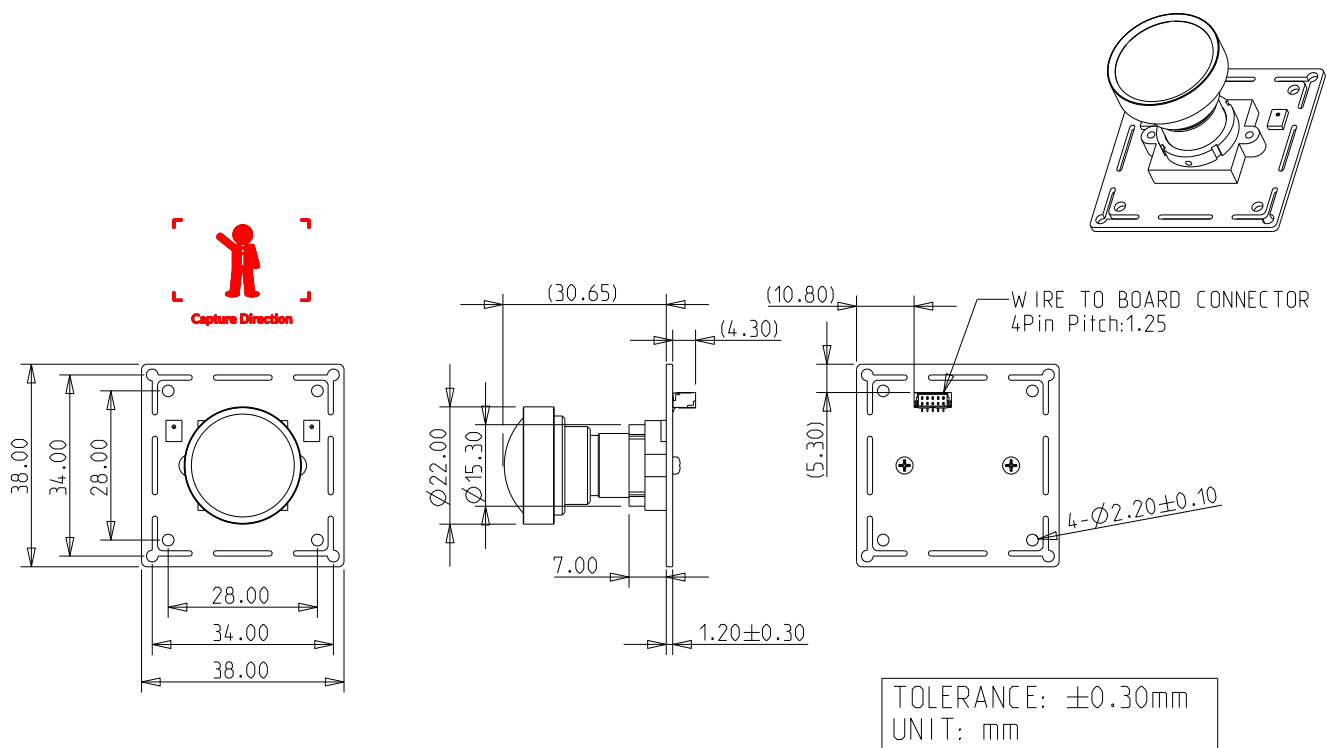
SPECIFICATIONS

Model Name	EV2U-LOM2-GSCF
Module Type	USB 2.0 2MP Fixed Focus Camera Module
Resolution (Max.)	2MP
Frame Rate (Max. Resolution)	60fps
Output I/F	USB 2.0
Sensor	onsemi AR0234
Shutter	Global
Video Format	YUV422, MJPEG
Power Consumption	Approximate 0.6W (MJPEG @Max. Resolution)
Operating Temperature	0°C ~ 70°C
Sensor Size	1/2.6"
Pixel Size	3.0μm
Chroma Type	Color
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 35 41.4 x 41.4 x 51.7 (Housing)
Lens FOV (D / H / V)	97° / 87° / 61°
OS Support	Windows / Linux / Android / macOS
Housing	Board Level, Housing
Features	--
Warranty	2 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet.

ORDER INFO.

P/N	Description
EV2U-LOM2-GSCF-11	USB 2.0 2MP Fixed Focus Camera Module (USB Cable Included) Dimension: 38 x 38mm
EV2U-LOM2-GSCF-12	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 38 x 38mm
EV2U-LOM2-GSCF-A1	USB 2.0 2MP Fixed Focus Camera Module (USB Cable Included) Dimension: 32 x 32mm
EV2U-LOM2-GSCF-A2	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 32 x 32mm
EV2U-LOM2-GSCF-21	USB 2.0 2MP Fixed Focus Camera Module, with Housing (USB cable included) Dimension : 41.4 x 41.4mm
7W2000000160	USB 2.0 cable 1 meter, 5 pins, pitch 1mm

MECHANICAL DRAWING

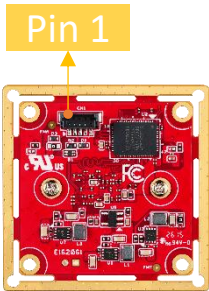


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
1920 x 1080	5 fps	60 / 50 / 30 / 25 / 20 / 15 / 10 / 5 fps
1280 x 720	10 / 5 fps	120 / 100 / 60 / 50 / 30 / 25 / 20 / 15 / 10 / 5 fps
640 x 480	30 / 25 / 20 / 15 / 10 / 5 fps	120 / 100 / 60 / 50 / 30 / 25 / 20 / 15 / 10 / 5 fps

CONNECTOR PIN ASSIGNMENT

Pin #	Pin Name	Description
1	VCC	+5V
2	D-	Data-
3	D+	Data+
4	GND	Ground
5	GND	Ground



LENS SPEC.

Items	Specification
F No.	2.0
Focal Length	3.05mm
Lens Structure	4G4P
Mount	M12 x P0.5 (S-mount)

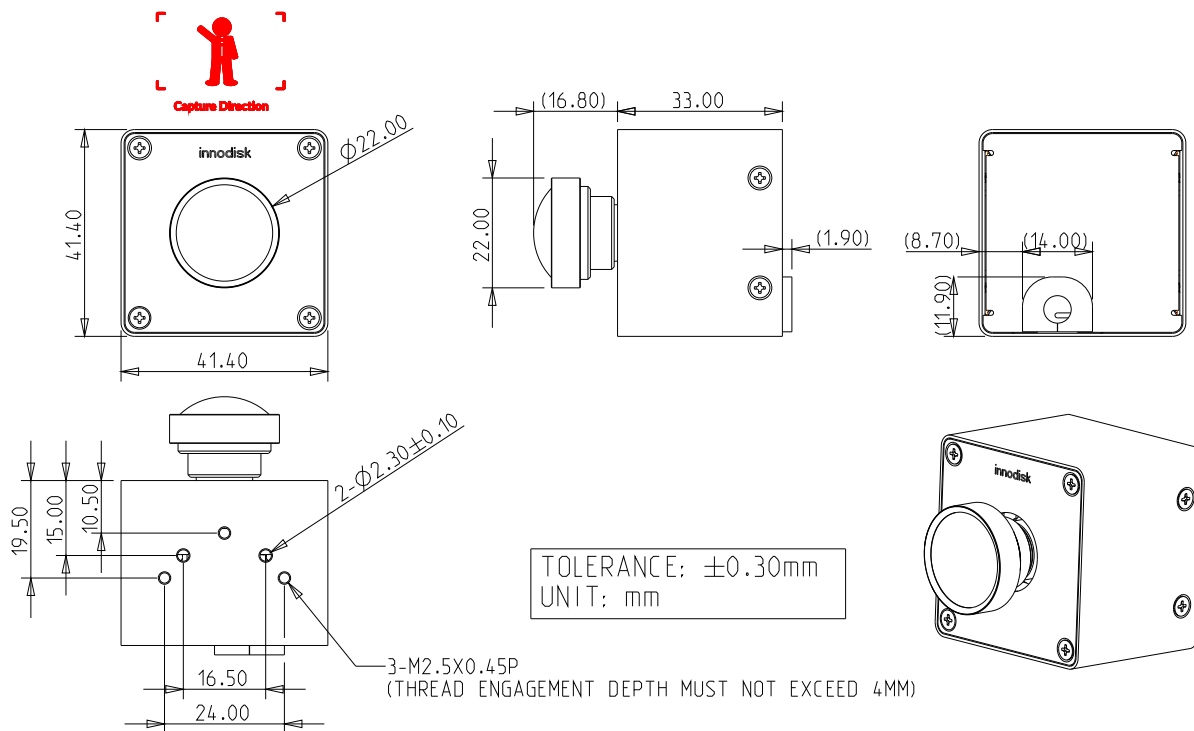
CABLE APPEARANCE



PRODUCT (HOUSING)



MECHANICAL DRAWING (HOUSING)



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