EV8U-LSM1-RLCN

USB 2.0 8MP Fixed Focus Camera Module







HIGHLIGHT FEATURES

- USB 2.0 Interface, 8MP @30fps (Max. Resolution)
- Supports Day & Night (ICR), 850nm IR LED, Low Light Condition, ISP Inside
- Lens FOV (D/H/V) : 89˚ / 81˚ / 51˚
- Compliant to USB 2.0 and USB Video Class
- Complies with CE/ FCC Class A
- OS Support: Windows, Linux, Android, macOS (UVC)

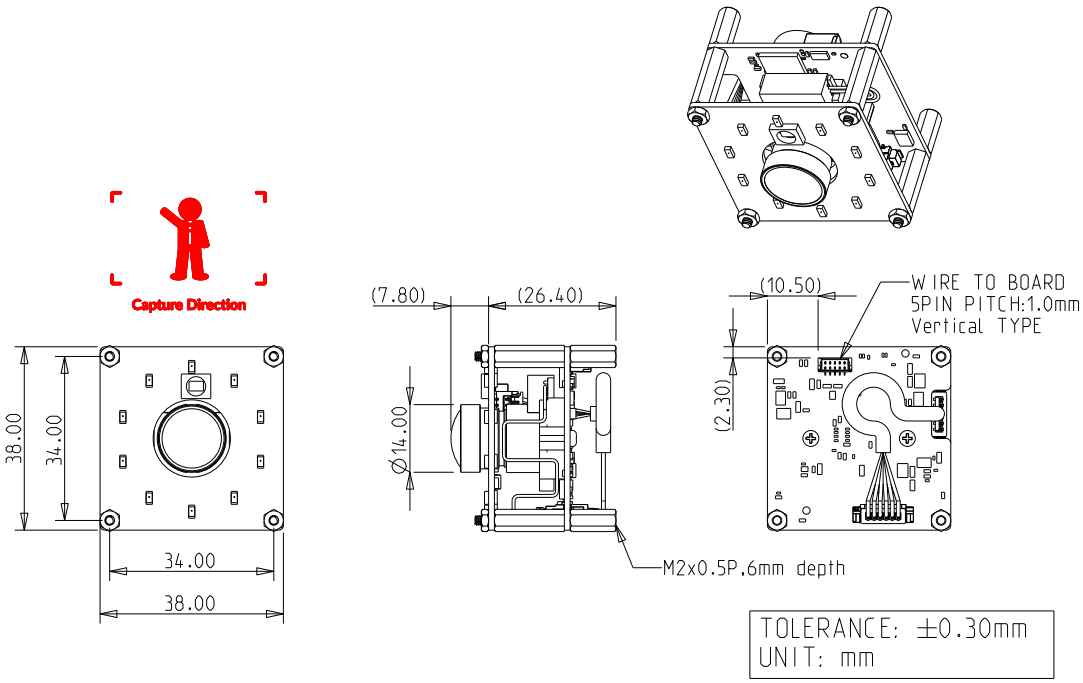
SPECIFICATIONS

Model Name	EV8U-LSM1-RLCN
Module Type	USB 2.0 8MP Fixed Focus Camera Module
Resolution (Max.)	8MP
Frame Rate (Max. Resolution)	30fps
Output I/F	USB 2.0
Sensor	Sony IMX415
Shutter	Rolling
Video Format	YUV422, MJPEG
Power Consumption	Approximate 2.03 W (LED ON, MJPEG @Max. Resolution) Approximate 1.24 W (LED OFF, MJPEG @Max. Resolution)
Operating Temperature	0˚C ~ 70˚C
Sensor Size	1/2.8”
Pixel Size	1.45µm
Chroma Type	Color
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 34.2 41.4 x 41.4 x 42.9 (Housing)
Lens FOV (D / H / V)	89˚ / 81˚ / 51˚
OS Support	Windows / Linux / Android / macOS
Housing	Board Level, Housing
Features	Day & Night (ICR), Low light
Warranty	2 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet.

ORDER INFO.

P/N	Description
EV8U-LSM1-RLCN-11	USB 2.0 8MP Fixed Focus Camera Module (USB Cable Included) Dimension: 38 x 38 mm
EV8U-LSM1-RLCN-21	USB 2.0 8MP Fixed Focus Camera Module, Housing (USB Cable Included) Dimension: 41.4 x 41.4 mm
7W2000000160	USB 2.0 cable 1 meter, 5 pins, pitch 1mm

MECHANICAL DRAWING

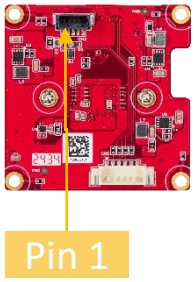


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
3840 x 2160	1 fps	30 / 25 / 20 / 15 / 10 / 5 fps
2592 x 1944	2 fps	30 / 25 / 20 / 15 / 10 / 5 fps
2048 x 1536	3 fps	30 / 25 / 20 / 15 / 10 / 5 fps
1920 x 1080	5 fps	30 / 25 / 20 / 15 / 10 / 5 fps
1600 x 1200	5 fps	30 / 25 / 20 / 15 / 10 / 5 fps
1280 x 720	10 fps	30 / 25 / 20 / 15 / 10 / 5 fps
640 x 480	30 fps	30 / 25 / 20 / 15 / 10 / 5 fps

CONNECTOR PIN ASSIGNMENT

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



LENS SPEC.

Items	Specification
F No.	2.6
Focal Length	3.25mm
Lens Structure	4G2P
Mount	M12 x P0.5 (S-mount)

IR ILLUMINATION

Items	Specification
IR Illumination Distance	1.5m
Number of IR LEDs	10pcs
IR LED Wavelength	850nm

CABLE APPEARANCE



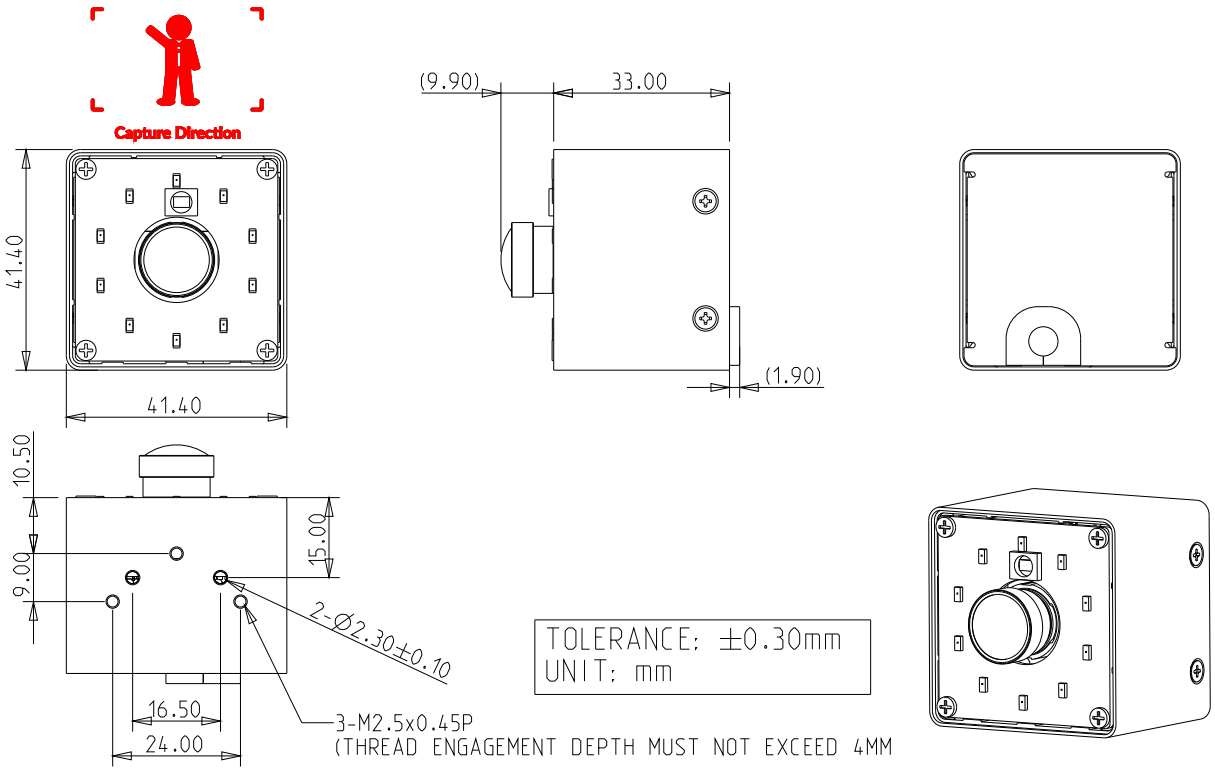
PRODUCT (HOUSING)







MECHANICAL DRAWING (HOUSING)



HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com
CN T +86-755-2167-3689 / E sales_cn@innodisk.com
US T +1-510-770-9421 / E usasales@innodisk.com
EU T +31-40-3045-400 / E eusales@innodisk.com
JP T +81-3-6667-0161 / E jp_sales@innodisk.com

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