



EV8U-LSM1-RLCA

USB 2.0 8MP Auto Focus Camera Module

HIGHLIGHT FEATURES

- USB 2.0 Interface, 8MP @30fps (Max Resolution)
- Support Auto Focus, Low light condition, ISP inside
- Lens FOV (D/H/V) : 89°/81°/51°
- OS Support: Windows, Linux, Android, macOS (UVC)
- Compliant to USB 2.0 and USB Video Class
- Complies with CE/ FCC Class A

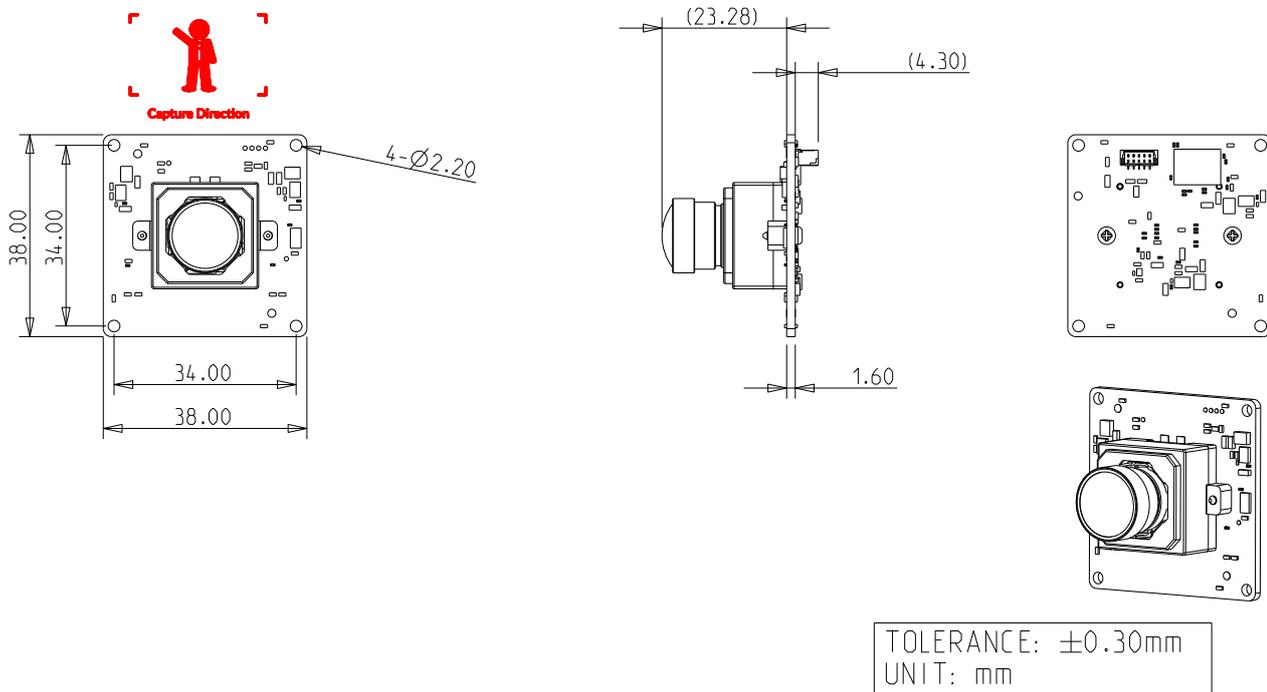
SPECIFICATIONS

Model Name	EV8U-LSM1-RLCA
Module Type	USB 2.0 8MP Auto 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 2W (MJPEG @Max. Resolution)
Operating Temperature	0°C ~ 70°C
Sensor Size	1/2.8"
Pixel Size	1.45µm
Chroma Type	Color
Lens Type	Auto Focus (M12)
Focus range	30mm ~ Infinite
Dimension (W x L x H/mm)	38 x 38 x 29 41.4 x 41.4 x 44.6 (Housing)
Lens FOV (D / H / V)	89° / 81° / 51°
OS Support	Windows / Linux / Android / macOS
Housing	Board Level, Housing
Features	Auto Focus, Low Light, DMIC
Warranty	3 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet.

ORDER INFO.

P/N	Description
EV8U-LSM1-RLCA-11	USB 2.0 8MP Auto Focus Camera Module (USB cable included) Dimension : 38 x 38mm
EV8U-LSM1-RLCA-12	USB 2.0 8MP Auto Focus Camera Module, with DMIC (USB cable included) Dimension : 38 x 38mm
EV8U-LSM1-RLCA-21	USB 2.0 8MP Auto Focus Camera Module, Housing (USB cable included) Dimension : 41.4 x 41.4mm
7W2000000160	USB 2.0 cable 1 meter, 5 pins, pitch 1mm

MECHANICAL DRAWING

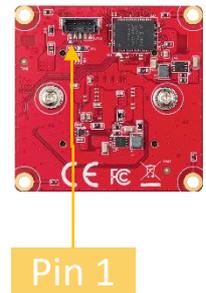


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
3840 x 2160	1fps	30 / 25 / 20 / 15 / 10 / 5fps
2592 x 1944	2fps	30 / 25 / 20 / 15 / 10 / 5fps
2048 x 1536	3fps	30 / 25 / 20 / 15 / 10 / 5fps
1920 x 1080	5fps	60 / 50 / 30 / 25 / 20 / 15 / 10 / 5fps
1600 x 1200	5fps	30 / 25 / 20 / 15 / 10 / 5fps
1280 x 720	10fps	60 / 50 / 30 / 25 / 20 / 15 / 10 / 5fps
640 x 480	30fps	60 / 50 / 30 / 25 / 20 / 15 / 10 / 5fps

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)

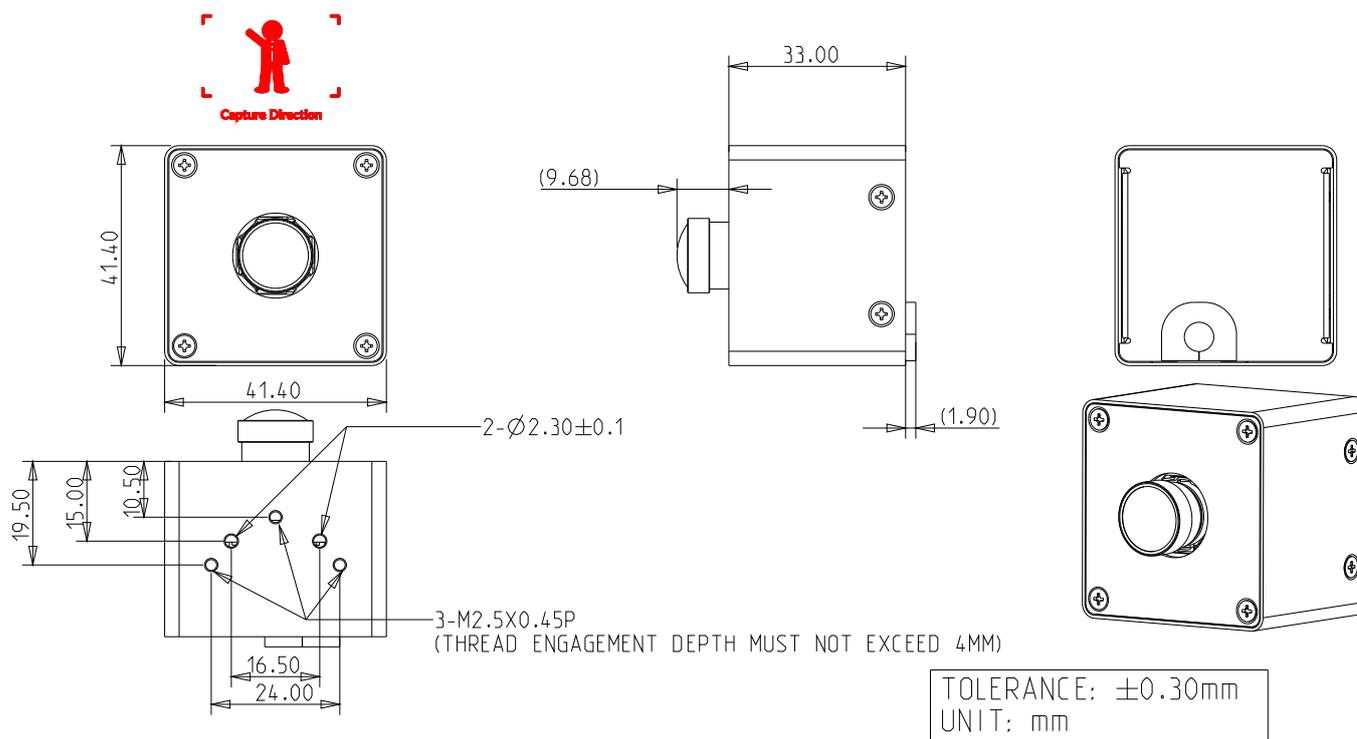
CABLE APPEARANCE



PRODUCT (HOUSING)



MECHANICAL DRAWING (HOUSING)



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