EV2U-LOM1-RHCF

USB 2.0 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- USB 2.0 Interface, 2MP @30fps (Max. Resolution)
- Supports HDR, ISP Inside
- Dynamic Range: 120dB
- Lens FOV (D / H / V) : 96° / 88° / 57°
- Compliant to USB 2.0 and USB Video Class
- Complies with CE / FCC Class B
- OS Support : Windows, Linux, Android, macOS (UVC)

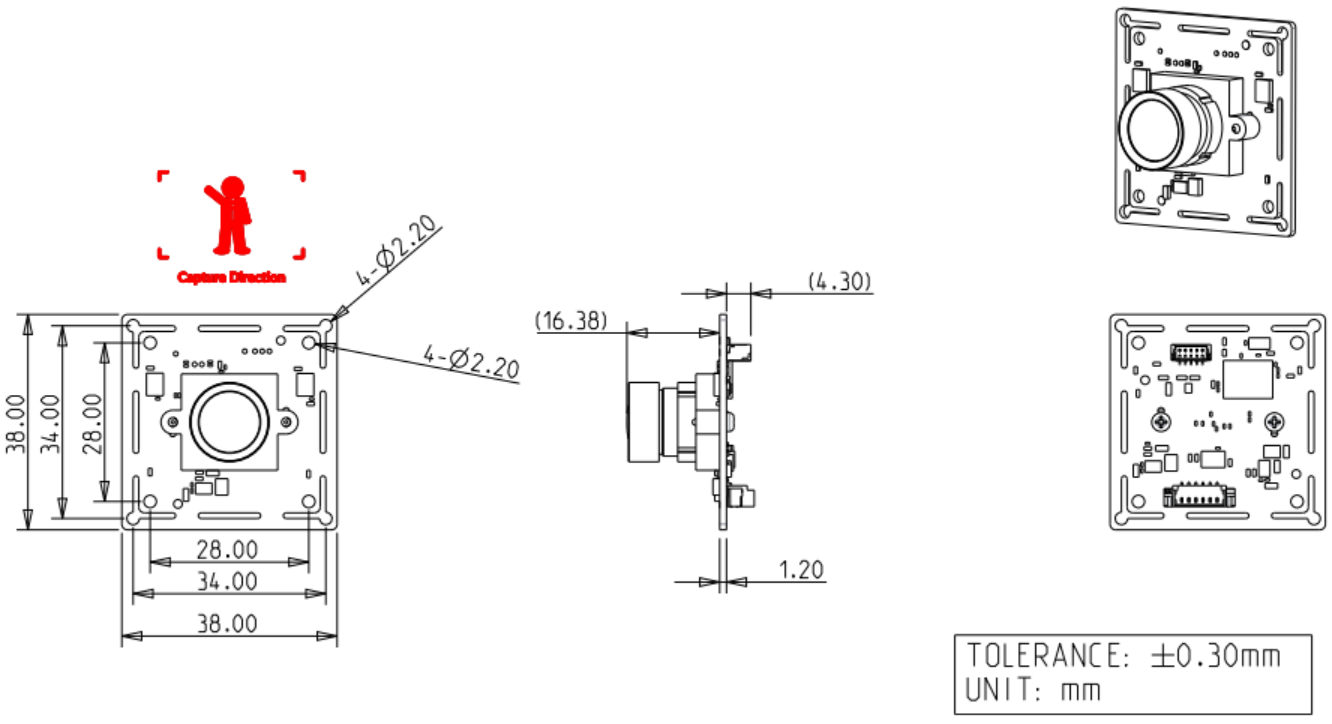
SPECIFICATIONS

Model Name	EV2U-LOM1-RHCF
Module Type	USB 2.0 2MP Fixed Focus Camera Module
Resolution (Max.)	2MP
Frame Rate (Max. Resolution)	30fps
Output I/F	USB 2.0
Sensor	onsemi AR0246
Shutter	Rolling
Video Format	YUV422, MJPEG
Power Consumption	Approximate 0.6 W (MJPEG @Max. Resolution)
Operating Temperature	0°C ~ 70°C
Sensor Size	1/4”
Pixel Size	2.0μm
Chroma Type	Color
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 21.88 32 x 32 x 21.88 41.4 x 41.4 x 37.68 (Housing)
Lens FOV (D / H / V)	96° / 88° / 57°
OS Support	Windows / Linux / Android / macOS
Housing	Board Level, Housing
Features	HDR
Warranty	3 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet.

ORDER INFO.

P/N	Description
EV2U-LOM1-RHCF-11	USB 2.0 2MP Fixed Focus Camera Module (USB cable included) Dimension : 38 x 38mm
EV2U-LOM1-RHCF-12	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 38 x 38mm
EV2U-LOM1-RHCF-A1	USB 2.0 2MP Fixed Focus Camera Module (USB cable included) Dimension : 32 x 32mm
EV2U-LOM1-RHCF-A2	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 32 x 32mm
EV2U-LOM1-RHCF-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

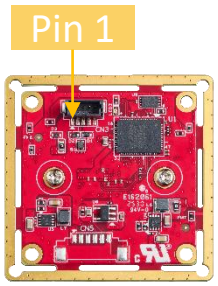


RESOLUTION MATRIX

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

CONNECTOR PIN ASSIGNMENT

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



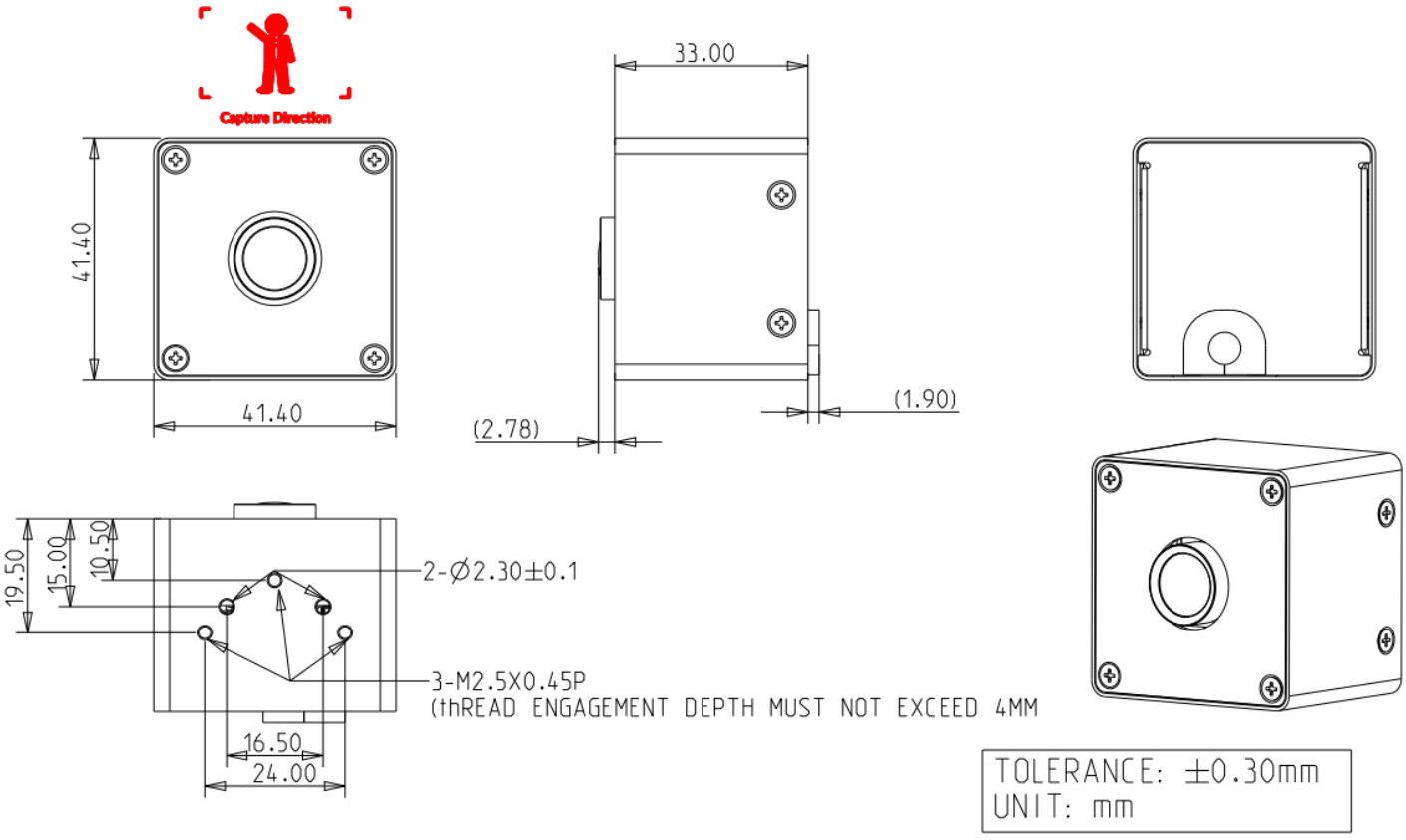
LENS SPEC.

Items	Specification
F No.	2.0
Focal Length	2.0mm
Lens Structure	1G5P
Mount	M12 x P0.5 (S-mount)

CABLE APPEARANCE

PRODUCT (HOUSING)

MECHANICAL DRAWING (HOUSING)



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