

EV2U-SGR1-MMC1

USB 2.0 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- USB 2.0 Interface, 2MP @30fps (Max. Resolution)
- Support Low Light Condition, ISP Inside
- Lens FOV (D / H / V) : 121° / 102° / 54°
- OS Support : Windows, Linux, Android, macOS (UVC)
- Compliant to USB 2.0 and USB Video Class
- Complies with CE / FCC Class A



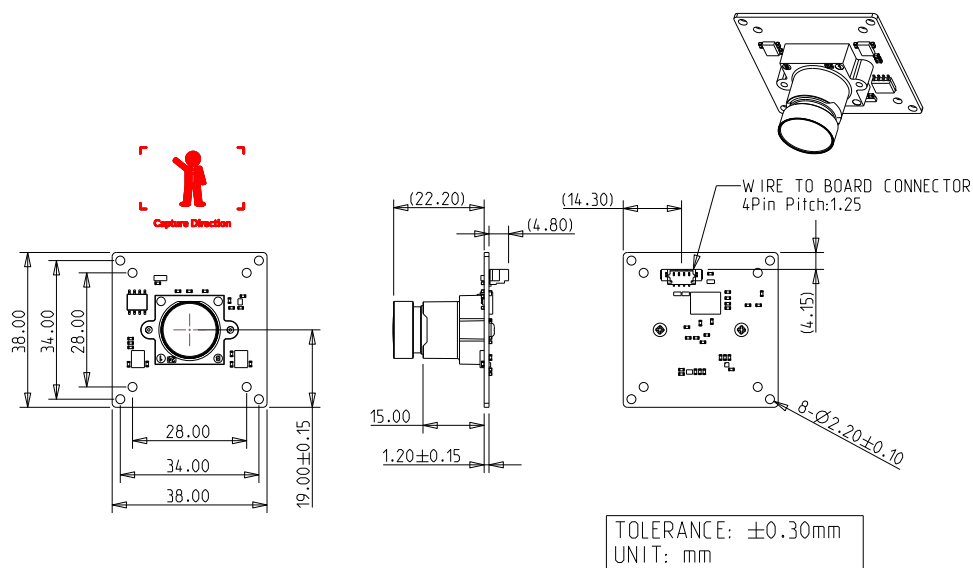
SPECIFICATIONS

Model Name	EV2U-SGR1-MMC1
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	GalaxyCore GC2053
Shutter	Rolling
Video Format	YUV422, MJPEG
Power Consumption	Approximate 1W (MJPEG @Max. Resolution)
Operating Temperature	-20°C ~ 70°C
Sensor Size	1/2.9"
Pixel Size	2.8µm
Chroma Type	Color
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 28.2 32 x 32 x 28.2
Lens FOV (D / H / V)	121° / 102° / 54°
OS Support	Windows / Linux / Android / macOS
Housing	Board Level
Features	Low Light, DMIC
Warranty	3 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet.

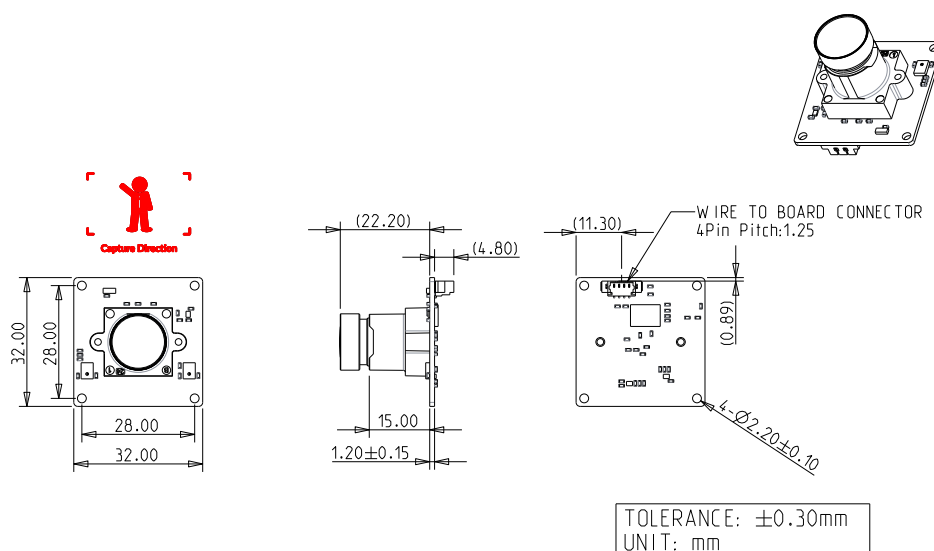
ORDER INFO.

P/N	Description
EV2U-SGR1-MMC1-C1	USB 2.0 2MP Fixed Focus Camera Module (USB cable included) Dimension : 38 x 38mm
EV2U-SGR1-MMC1-C2	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 38 x 38mm
EV2U-SGR1-RLCF-A1	USB 2.0 2MP Fixed Focus Camera Module (USB cable included) Dimension : 32 x 32mm
EV2U-SGR1-RLCF-A2	USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included) Dimension : 32 x 32mm
7W2000000150	USB 2.0 cable 1 meter, 4 pins, pitch 1.25mm

MECHANICAL DRAWING (38 x 38mm)



MECHANICAL DRAWING (32 x 32mm)

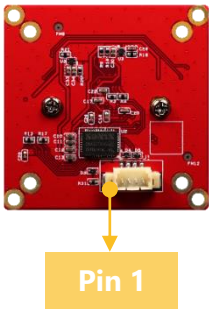


RESOLUTION MATRIX

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

CONNECTOR PIN ASSIGNMENT

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



LENS SPEC.

Items	Specification
F No.	1.6
Focal Length	3.28mm
Lens Structure	2G4P
Mount	M12 x P0.5 (S-Mount)

CABLE APPEARANCE



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