



EV2M-GOM1

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 1920 x 1080 @30fps (Max Resolution)
- Support fisheye de-warping, ISP inside
- Lens FOV (D/H/V) : 230°
- Platform Support: NVIDIA Jetson Orin, INTEL
- Complies with CE/FCC Class A

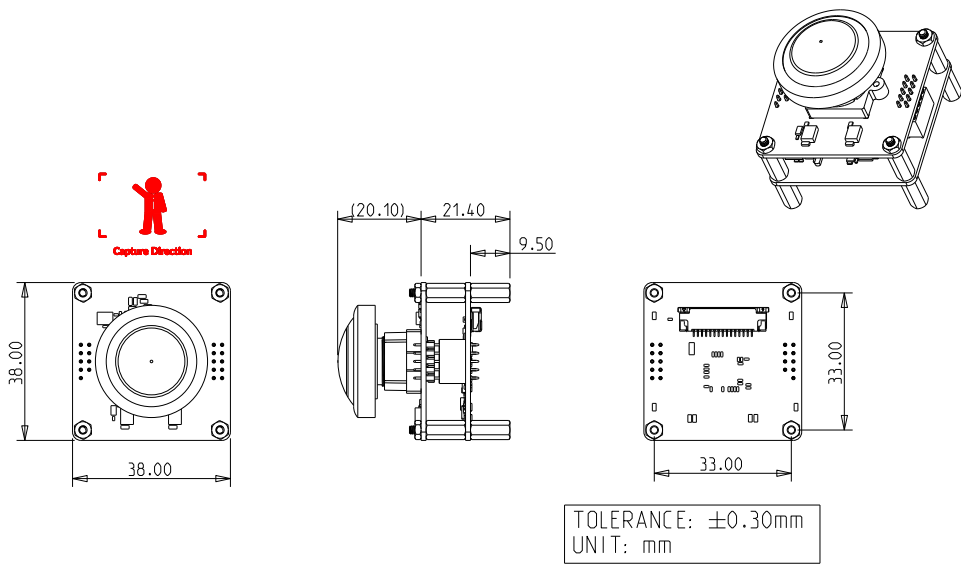
SPECIFICATIONS

Model Name	EV2M-GOM1
Module Type	MIPI CSI-2 2MP Fixed Focus Camera Module
Resolution (Max.)	1920 x 1080 @30fps
Output I/F	MIPI CSI-2
Sensor	Onsemi AR0330
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 1.6W (YUV422 @Full Resolution)
Operation Temperature	-30°C ~ 70°C
Sensor Size	1/3"
Pixel Size	2.2 um
Lens Type	Fixed focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 45
Lens D / H / V FOV	230°
OS Support	NVIDIA Jetson Orin; INTEL 12th -13th & Core Ultra (For more information please contact our local sales)
Warranty	3 Years

ORDER INFO.

P/N	Description
EV2M-GOM1-MUCA-C1	MIPI CSI-2 2MP Fixed Focus Camera Module (MIPI CSI-2 FFC & FPC Cable Included)
7W7000000020	MIPI CSI-2 FFC cable,15cm,15pins pitch 1mm
7W7000000030	MIPI CSI-2 FPC cable,15cm,15pins pitch 1mm to 22pins 0.5mm

MECHANICAL DRAWING



RESOLUTION MATRIX

Resolution	YUV422	MJPEG
1920*1080	30 fps	N/A

CONNECTOR PIN ASSIGNMENT

Pin #	Pin Name	Description
1	GND	Ground
2	CAM_D0_N	CSI Data 0
3	CAM_D0_P	CSI Data 0
4	GND	Ground
5	CAM_D1_N	CSI Data 1
6	CAM_D1_P	CSI Data 1
7	GND	Ground
8	CAM_CK_N	CSI Clock
9	CAM_CK_P	CSI Clock
10	GND	Ground
11	CAM_PWDN	Camera Power-down
12	CAM_MCLK	Camera Master Clock
13	CAM_SCL	I2C Clock (3.3V)
14	CAM_SDA	I2C Data (3.3V)
15	CAM_3V3	+3.3V

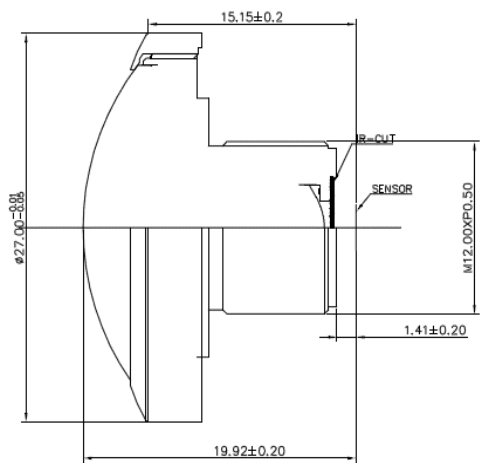


PLATFORM SUPPORT

Platform	Processor
NVIDIA Jetson	Jetson AGX Orin Jetson Orin NX Jetson Orin Nano
INTEL	Alder Lake 12 th Raptor Lake 13 th Core™ Ultra processor

(For more information please contact our local sales)

LENS SPEC.



Items	Specification
F no.	2.1
Focal length	1.1mm
Lens structure	4G2P
Mount	M12*P0.5 (S-Mount)

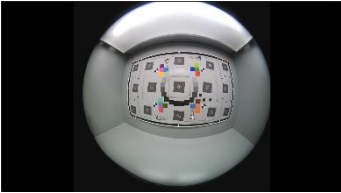
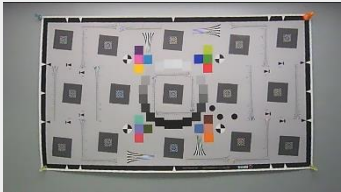
CABLE APPEARANCE (7W7000000020)



CABLE APPEARANCE (7W7000000030)



De-warping Mode

Mode	Image Acquisition
Fisheye Mode	
HFOV 90° mode	
HFOV 180° mode	