

EV2M-OOM1

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 1920x1200 @60fps (Max Resolution)
- Support Global Shutter, ISP inside
- Lens FOV (D/H/V) : 104°/86°/46°
- Platform Support: NVIDIA Jetson Orin, Intel
- Complies with CE/ FCC Class A

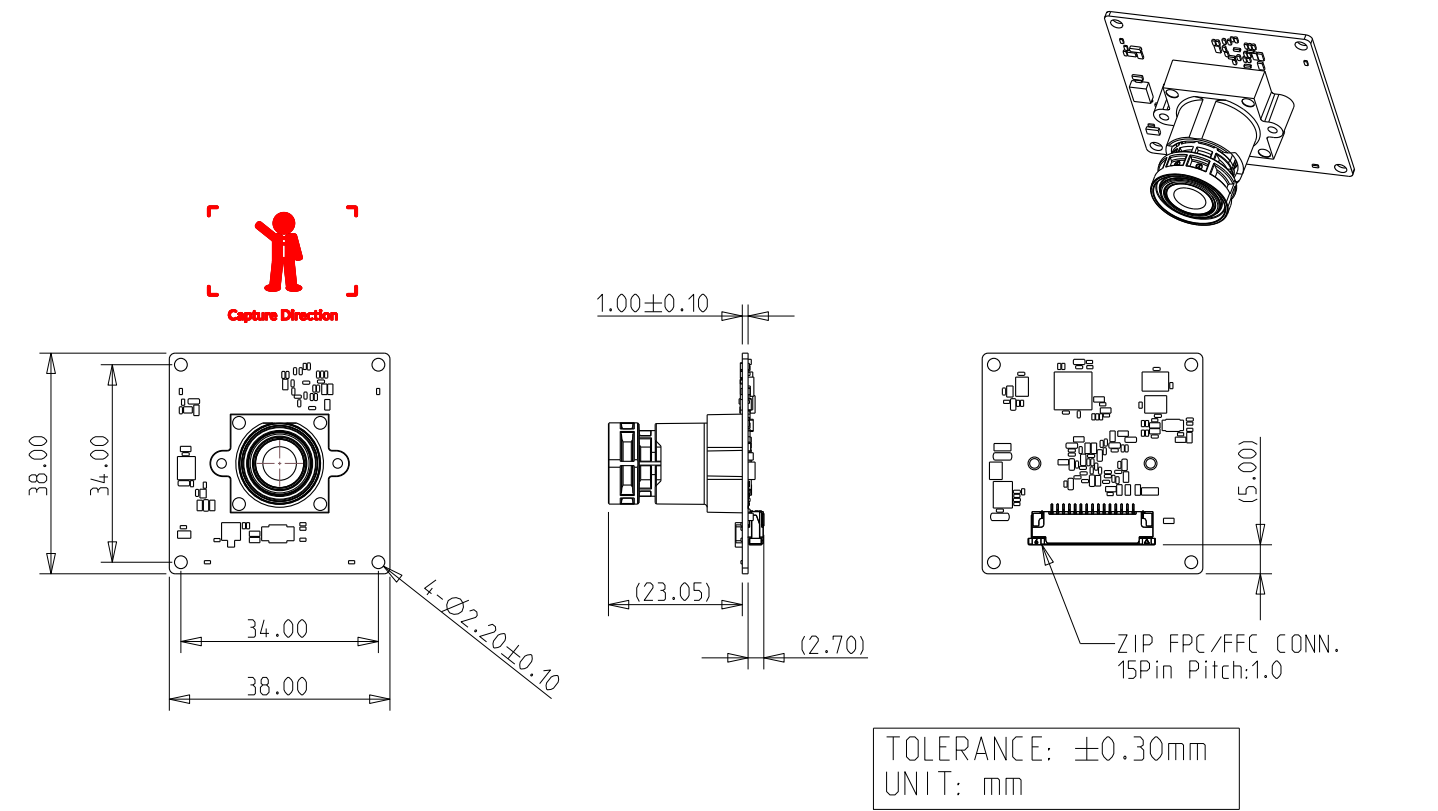
SPECIFICATIONS

Model Name	EV2M-OOM1
Module Type	MIPI CSI-2 2MP Fixed Focus Camera Module
Resolution (Max.)	1920x1200 @60fps
Output I/F	MIPI CSI-2
Sensor	Onsemi AR0234
Shutter	Global
Video Format	YUV2
Power Consumption	Approximate 1W (YUV2 @Full Resolution)
Operating Temperature	-30°C ~ 70°C
Sensor Size	1/2.6"
Pixel Size	3μm
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 22
Lens FOV (D / H / V)	104° / 86° / 46°
OS / Platform 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-OOM1-UHCA-E1	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

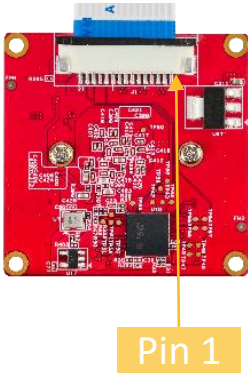


RESOLUTION MATRIX

Resolution	YUV2 (Raw Data)	MJPEG
1920*1200	60/ 50/ 30/ 25 fps	N/A
1920*1080	60/ 50/ 30/ 25 fps	N/A
1280*720	120/ 100/ 90/ 60/ 50/ 30/ 25 fps	N/A
640*480	120/ 100/ 90/ 60/ 50/ 30/ 25 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

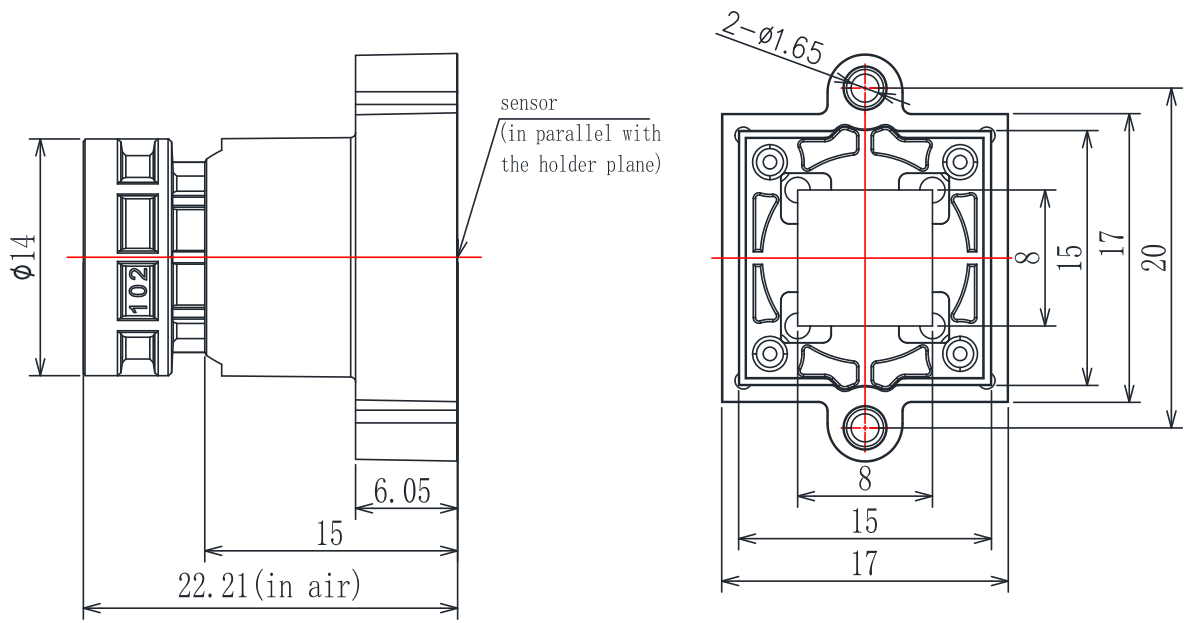


PLATFORM SUPPORT

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.	2.2
Focal length	3.89
Lens structure	1G3P
Mount	M12*P0.5 (S-Mount)

CABLE APPEARANCE (7W7000000020)



CABLE APPEARANCE (7W7000000030)

