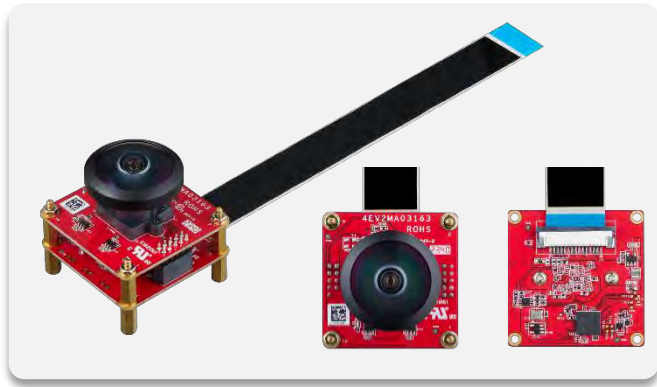


# EV2M-GOM1

Preliminary

## MIPI Fixed Focus Camera Module



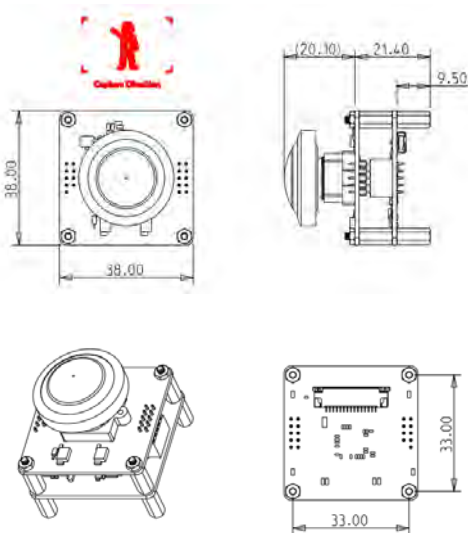
### Features

- Max. Resolution: 1920 x 1080 @ 30fps
- ISP inside, fisheye De-warping
- Platform Support:  
INTEL, Nvidia Jetson, Xilinx  
(For more information please contact our local sales)
- Complies with CE/FCC Class A

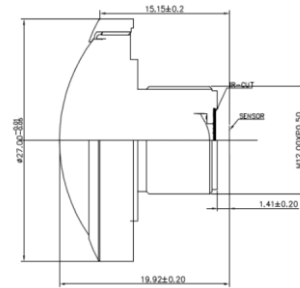
Resolution	FPS (MIPI 2 lanes)
1920 x 1080 (FHD)	30

### Mechanical Drawing

Mechanical Drawing



Lens Specification



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

### Specifications

Max. Resolution	1920 x 1080 (2MP)@ 30fps
Output I/F	MIPI 15pins (2 lanes)
Power Consumption	Approximate 1.6W
Dimension (WxLxH)	38 x 38 x 45mm
Operating Temp.	-30°C ~ +70°C (main chip spec.)
CMOS Sensor	ONSEMI AR0330
Sensor Size	1/3"
Pixel Size	2.2um
Lens Type	Fixed focus (M12)
Lens FOV	230°
Platform Support	INTEL, Nvidia Jetson, Xilinx (For more information please contact our local sales)

15 Pin #	15 Pin Name	Usage/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

### Order information




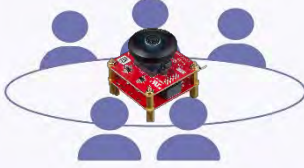







EV2M-GOM1-MUCA-C1  
 MIPI Fixed Focus Camera Module (MIPI cable included)  
 7W7000000020  
 MIPI CSI-2 FFC cable,15cm,15pins pitch 1mm  
 7W7000000030  
 MIPI CSI-2 FPC cable,15cm,15pins pitch 1mm to 22pins 0.5mm



# EV2M-GOM1

## MIPI Fixed Focus Camera Module

Several modes to fulfill different applications.

Mode	User Scenarios	Image Acquisition
<b>Fish-eye mode (with no calibration)</b>	 	
<b>Fish-eye Calibration mode</b>		
<b>HFOV 90 degree mode</b>	 	
<b>HFOV 180 degree mode</b>	 	

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prior notice.

April 29, 2024

Platform	Camera Driver status
Intel® Gen 12 <sup>th</sup> ADL-N	Support Linux
Intel® Gen 13 <sup>th</sup> RPL-P	Support Linux
Intel® Core™ Ultra processor MTL-U/H & MTL-PS	Support Linux
Nvidia Jetson NANO/Xavier NX	Support
Nvidia Jetson ORIN NANO/ORIN NX	Support
Xilinx KV260	Support PetaLinux

### Order information

EV2M-GOM1-MUCA-C1  
MIPI Fixed Focus Camera Module (MIPI 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

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