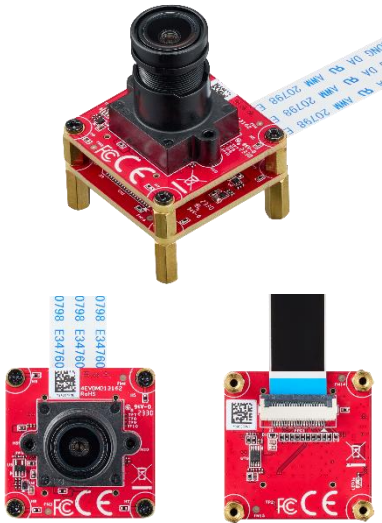




EVDM-OOM1

MIPI CSI-2 13MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 4192 x 3120 @20fps (Max Resolution)
- Support Pixel binning, HDR, ISP inside
- HDR Dynamic Range: 69dB
- Lens FOV (D/H/V) : 91°/71°/52°
- Platform Support: NVIDIA Jetson Orin, INTEL
- Complies with CE/FCC Class A

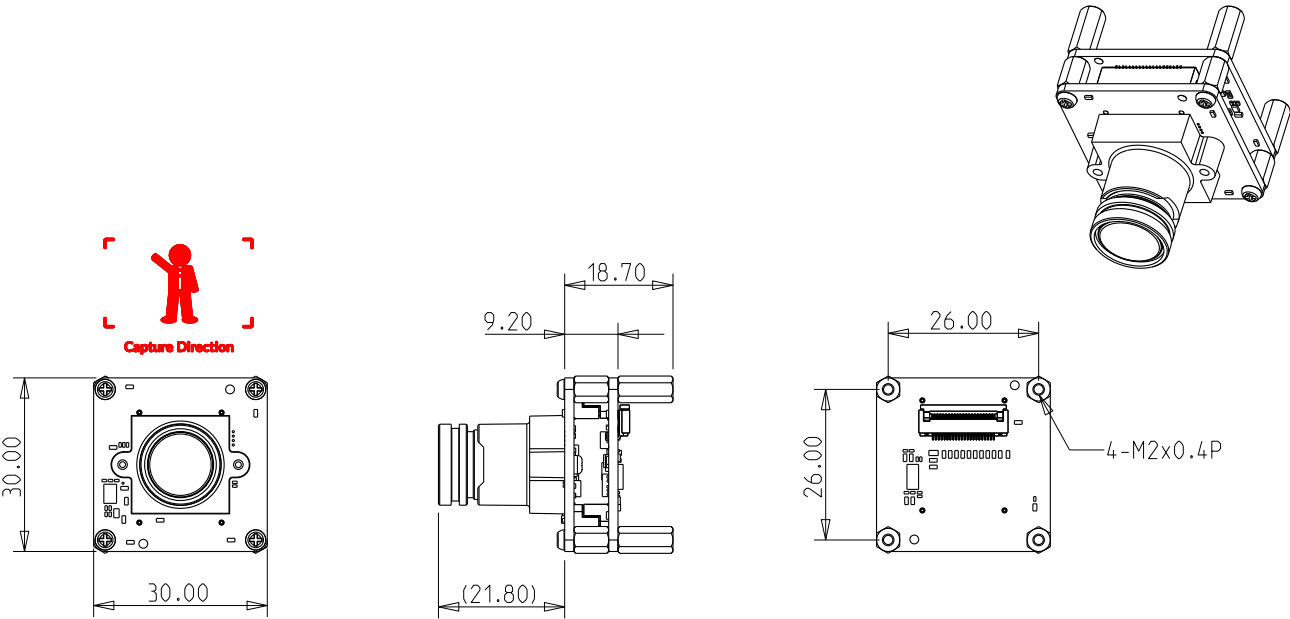
SPECIFICATIONS

Model Name	EVDM-OOM1
Module Type	MIPI CSI-2 13MP Fixed Focus Camera Module
Resolution (Max.)	4192 x 3120 @20fps
Output I/F	MIPI CSI-2
Sensor	Onsemi AR1335
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 1W (YUV422 @Full Resolution)
Operation Temperature	-30°C ~ 70°C
Sensor Size	1/3.2"
Pixel Size	1.1 um
Lens Type	Fixed focus (M12)
Dimension (W x L x H/mm)	30 x 30 x 45
Lens D / H / V FOV	91° / 71° / 52°
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
EVDM-OOM1-RHCF-11	MIPI CSI-2 13MP Fixed Focus Camera Module (MIPI CSI-2 FFC Cable Included)
7W7000000060	FFC cable 15 cm, 22 pins, pitch 0.5mm

MECHANICAL DRAWING

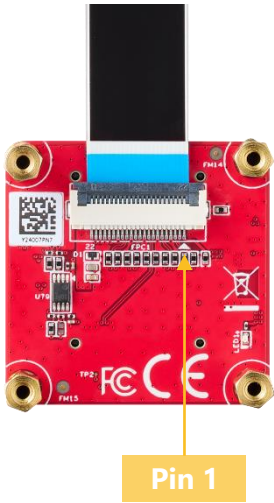


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
4192*3120	20 fps	N/A
4096*3120	20 fps	N/A
3840*2160	30/25 fps	N/A
2592*1944	30/25 fps	N/A
2560*1440	30/25 fps	N/A
1920*1080	60/50/30/25 fps	N/A
1280*720	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_D2_N	CSI Data 2
12	CAM_D2_P	CSI Data 2
13	GND	Ground
14	CAM_D3_N	CSI Data 3
15	CAM_D3_P	CSI Data 3
16	GND	Ground
17	CAM_PWDN	Camera Power-down
18	CAM_MCLK	Camera Master Clock
19	GND	Ground
20	CAM_SCL	I2C Clock (3.3V)
21	CAM_SDA	I2C Data (3.3V)
22	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)

