



EV2M-OOM3-RHCF

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 2MP @30fps (Max Resolution)
- Supports HDR, ISP Inside
- Dynamic Range: 120dB
- Lens FOV (D / H / V) : 96° / 88° / 57°
- Platform Support: NVIDIA Jetson Orin



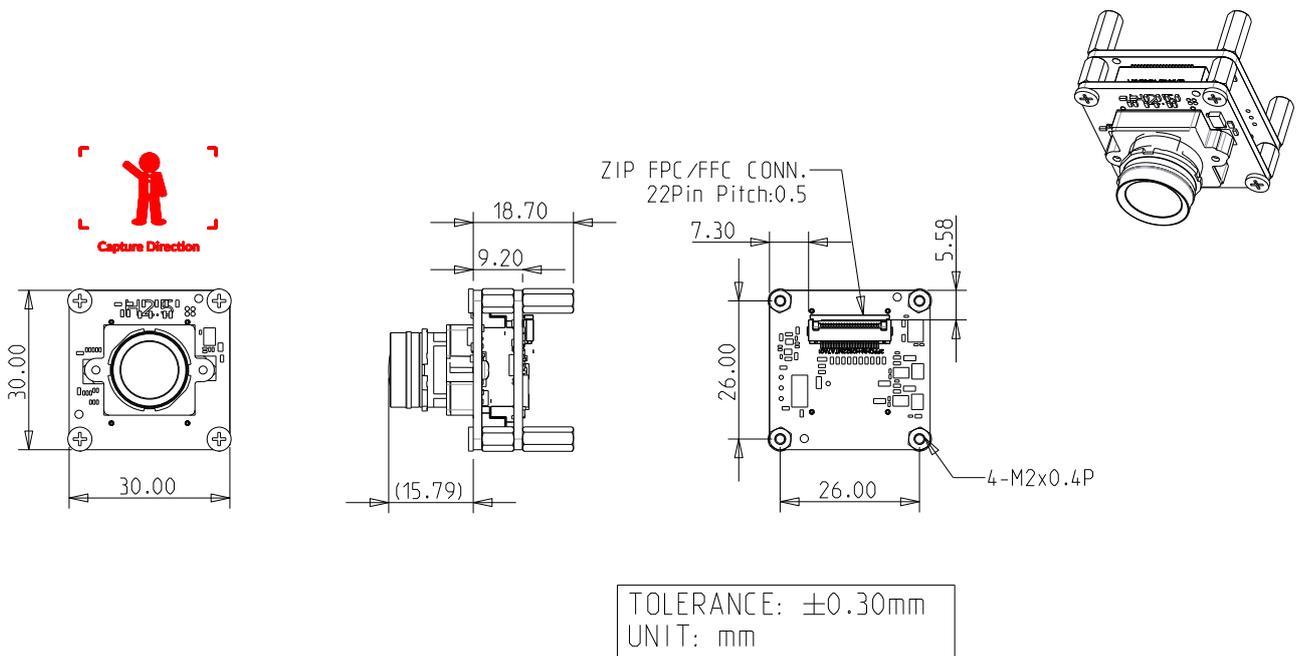
SPECIFICATIONS

Model Name	EV2M-OOM3-RHCF
Module Type	MIPI CSI-2 2MP Fixed Focus Camera Module
Resolution (Max.)	2MP
Frame Rate (Max. Resolution)	30fps
Output I/F	MIPI CSI-2
Sensor	onsemi AR0246
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 0.7W (YUV422 @Max. Resolution)
Operation Temperature	-30°C ~ 70°C
Sensor Size	1/4"
Pixel Size	2.0µm
Chroma Type	Color
Lens Type	Fixed focus (M12)
Dimension (W x L x H/mm)	30 x 30 x 34.49 30 x 30 x 34.49 (Open Front Housing)
Lens D / H / V FOV	96°/88°/57°
Platform Support	NVIDIA Jetson Orin
Housing	Board Level, Open Front Housing
Features	HDR
Warranty	3 Years
Note	For detailed resolution and frame rate combined application, please refer to product datasheet. For more platform support, please contact our local sales.

ORDER INFO.

P/N	Description
EV2M-OOM3-RHCF-11	MIPI CSI-2 2MP Fixed Focus Camera Module (MIPI CSI-2 FFC Cable Included)
EV2M-OOM3-RHCF-21	MIPI CSI-2 2MP Fixed Focus Camera Module, Open Front Housing (MIPI CSI-2 FFC cable included)
7W7000000060	FFC cable 15 cm, 22 pins, pitch 0.5mm

MECHANICAL DRAWING



RESOLUTION MATRIX

Resolution	YUV422	MJPEG
1920 x 1080	30 / 25 fps	N/A
1280 x 720	30 / 25 fps	N/A
640 x 480	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/RST	Camera Power-Down/ Reset +3.3V
18	NC	Not Connected
19	GND	Ground
20	CAM_SCL	I2C Clock (3.3V)
21	CAM_SDA	I2C Data (3.3V)
22	CAM_3V3	+3.3V



Pin 1

PLATFORM SUPPORT

Platform	Processor
NVIDIA Jetson	Jetson AGX Orin Jetson Orin NX Jetson Orin Nano

For more information please contact our local sales.

LENS SPEC.

Items	Specification
F No.	2.0
Focal Length	2.0mm
Lens Structure	1G5P
Mount	M12 x P0.5 (S-mount)

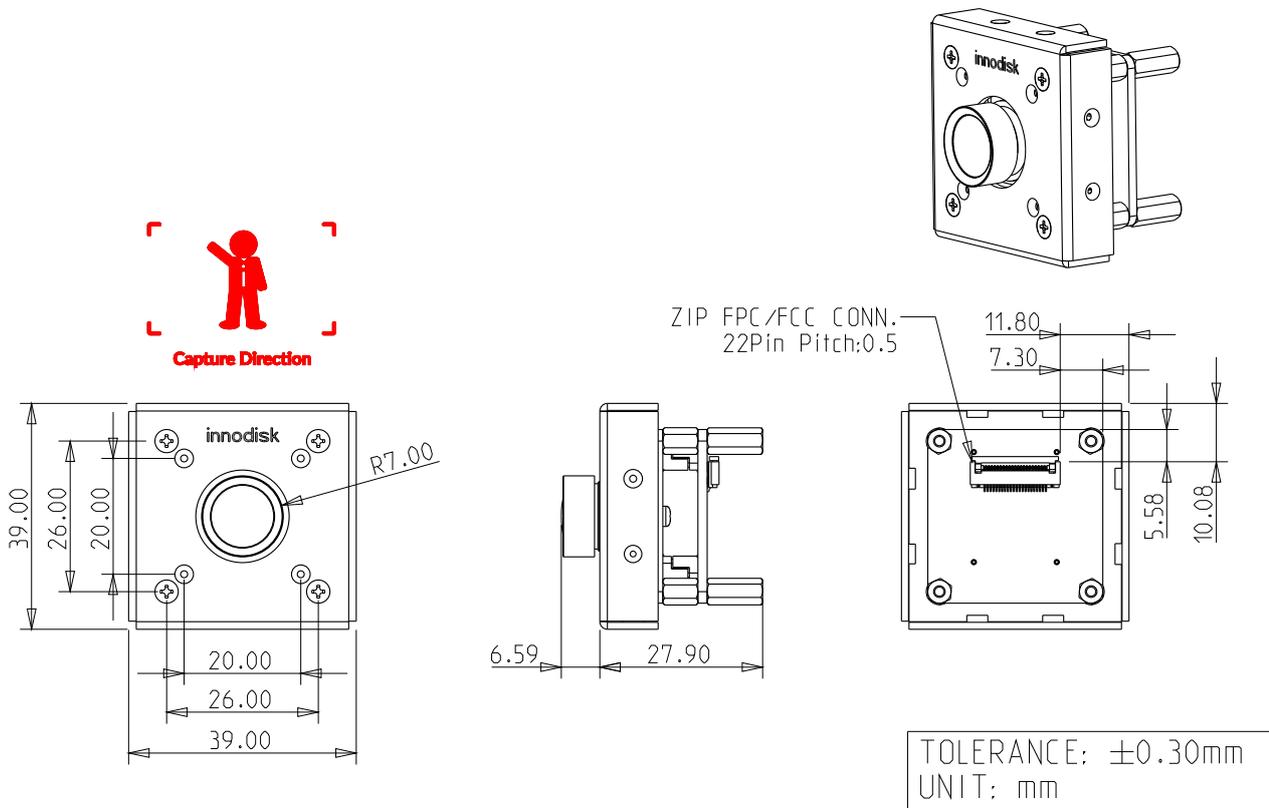
CABLE APPEARANCE



PRODUCT APPEARANCE (OPEN FRONT HOUSING)



MECHANICAL DRAWING (OPEN FRONT HOUSING)



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