

EV2M-OOM1-UHCA

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 2.3MP @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

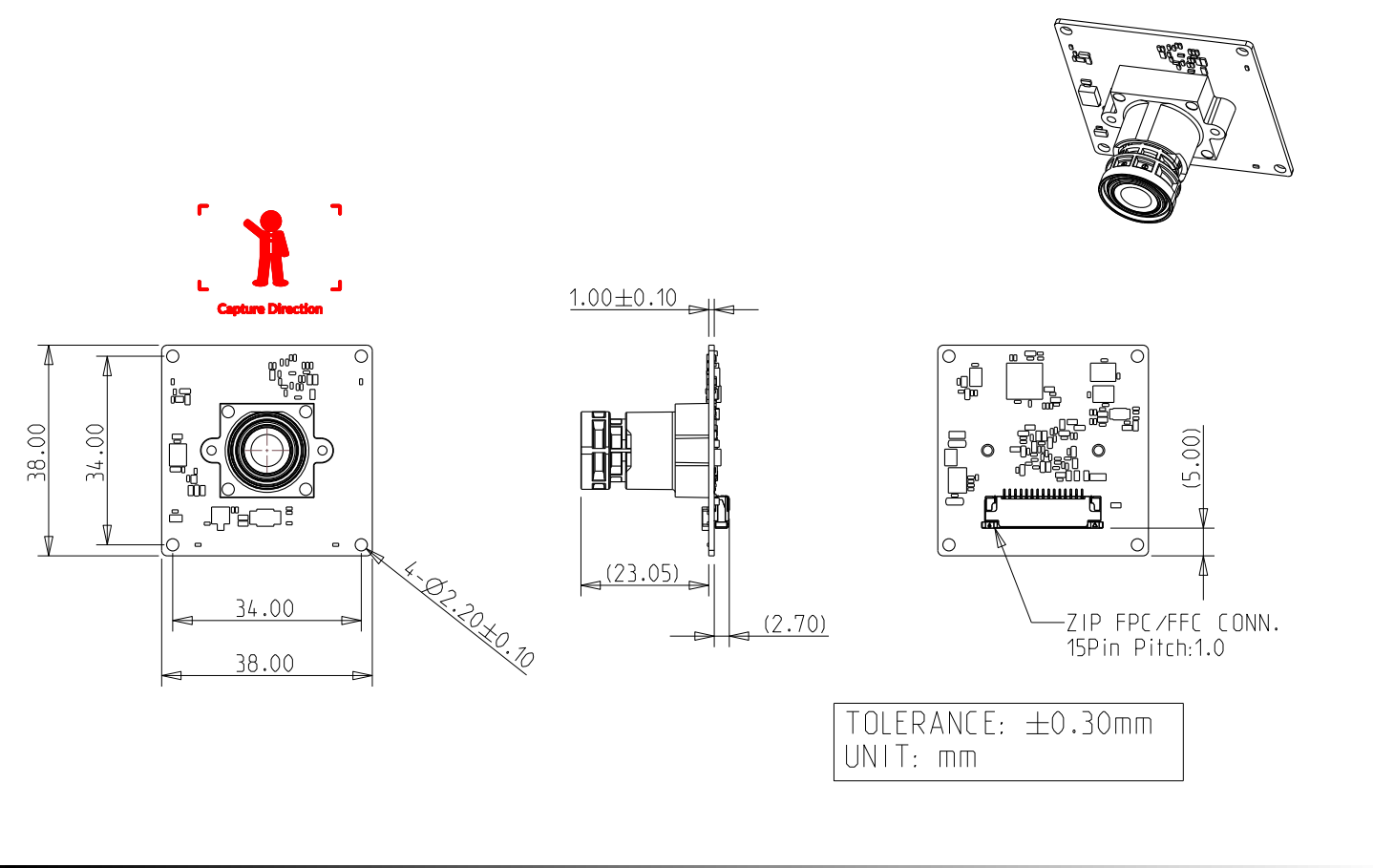
SPECIFICATIONS

Model Name	EV2M-OOM1-UHCA
Module Type	MIPI CSI-2 2.3MP Fixed Focus Camera Module
Resolution (Max.)	2.3MP
Frame Rate (Max. Resolution)	60fps
Output I/F	MIPI CSI-2
Sensor	onsemi AR0234
Shutter	Global
Video Format	YUV422
Power Consumption	Approximate 1W (YUV422 @Max. Resolution)
Operating Temperature	-30°C ~ 70°C
Sensor Size	1/2.6"
Pixel Size	3.0μm
Chroma Type	Color
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	38 x 38 x 26.75 46 x 46 x 26.75 (Open Front Housing)
Lens FOV (D / H / V)	104° / 86° / 46°
Platform Support	NVIDIA Jetson Orin, Intel
Housing	Board Level, Open Front Housing
Features	--
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-OOM1-UHCA-E1	MIPI CSI-2 2.3MP Fixed Focus Camera Module (MIPI CSI-2 FFC & FPC cable included)
EV2M-OOM1-GSCF-21	MIPI CSI-2 2.3MP Fixed Focus Camera Module, Open Front Housing (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

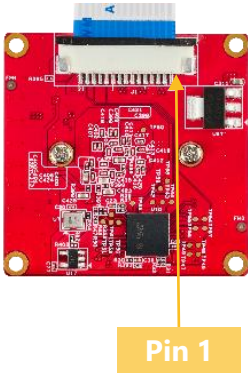


RESOLUTION MATRIX

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

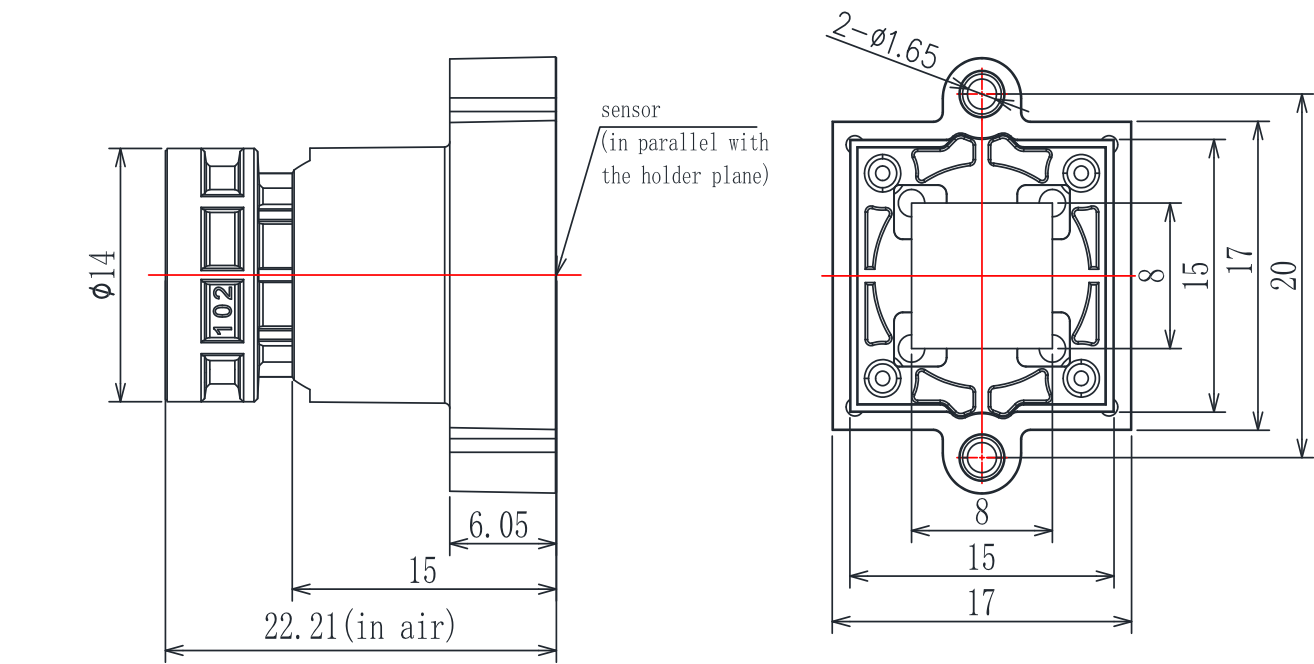


PLATFORM SUPPORT

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	3.89mm
Lens Structure	1G3P
Mount	M12 x P0.5 (S-Mount)

CABLE APPEARANCE (7W7000000020)



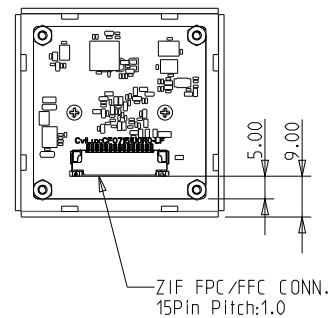
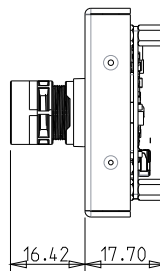
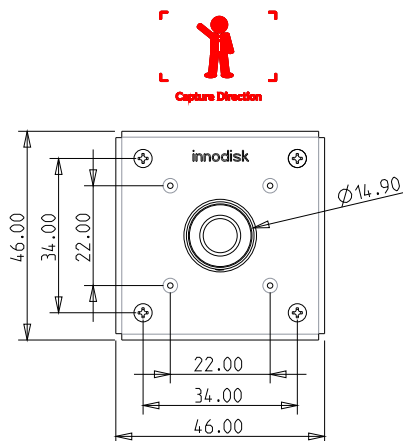
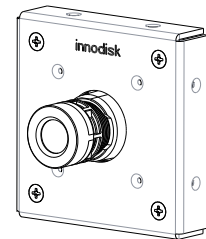
CABLE APPEARANCE (7W7000000030)



PRODUCT APPEARANCE (OPEN FRONT HOUSING)



MECHANICAL DRAWING (OPEN FRONT HOUSING)



TOLERANCE: ± 0.15 mm
UNIT: mm

HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com

CN T +86-755-2167-3689 / E sales_cn@innodisk.com

US T +1-510-770-9421 / E usasales@innodisk.com

EU T +31-40-3045-400 / E eusales@innodisk.com

JP T +81-3-6667-0161 / E jp_sales@innodisk.com

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