



EV2M-CSM1

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 1920x1080 @120fps (Max Resolution)
- Support Starvis low light, HDR, ISP inside
- HDR Dynamic Range: 72dB
- Lens FOV (D/H/V) : 106° / 92.6° / 51.8°
- Platform Support: NVIDIA Jetson Orin



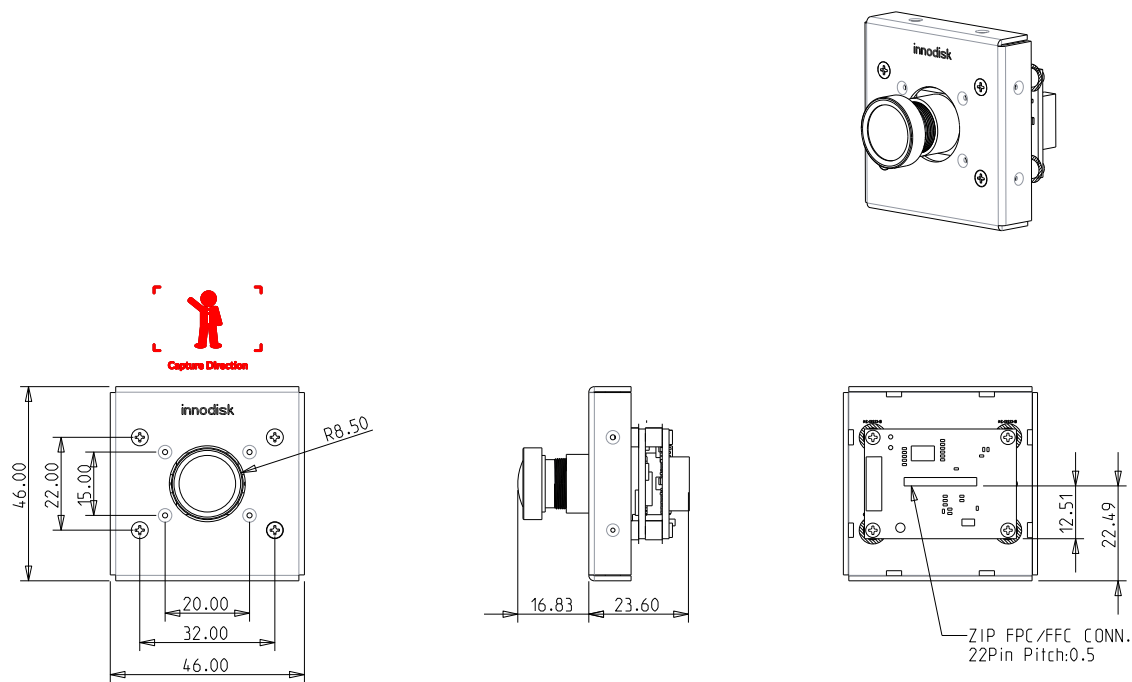
SPECIFICATIONS

Model Name	EV2M-CSM1
Module Type	MIPI CSI-2 2MP Fixed Focus Camera Module
Resolution (Max.)	1920x1080 @120fps
Output I/F	MIPI CSI-2
Sensor	Sony IMX290
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 1.5W (YUV422 @Full Resolution)
Operation Temperature	-30°C ~ 65°C
Sensor Size	1/2.8"
Pixel Size	2.9um
Lens Type	Fixed Focus (M12)
Dimension (W x L x H/mm)	46 x 46 x 39.89
Lens D / H / V FOV	106° / 92.6° / 51.8°
OS Support	NVIDIA Jetson Orin (For more information please contact our local sales)
Warranty	3 Years

ORDER INFO.

P/N	Description
EV2M-CSM1-RHCF-21	MIPI CSI-2 2MP Fixed Focus Camera Module (MIPI CSI-2 FFC Cable Included)

MECHANICAL DRAWING

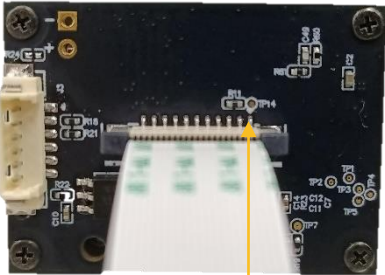


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
1920*1080	120/ 100/ 60/ 50/ 30/ 25 fps	N/A
1280*960	120/ 100/ 60/ 50/ 30/ 25 fps	N/A
1280*720	120/ 100/ 60/ 50/ 30/ 25 fps	N/A
800*600	120/ 100/ 60/ 50/ 30/ 25 fps	N/A
640*480	120/ 100/ 60/ 50/ 30/ 25 fps	N/A
640*360	120/ 100/ 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

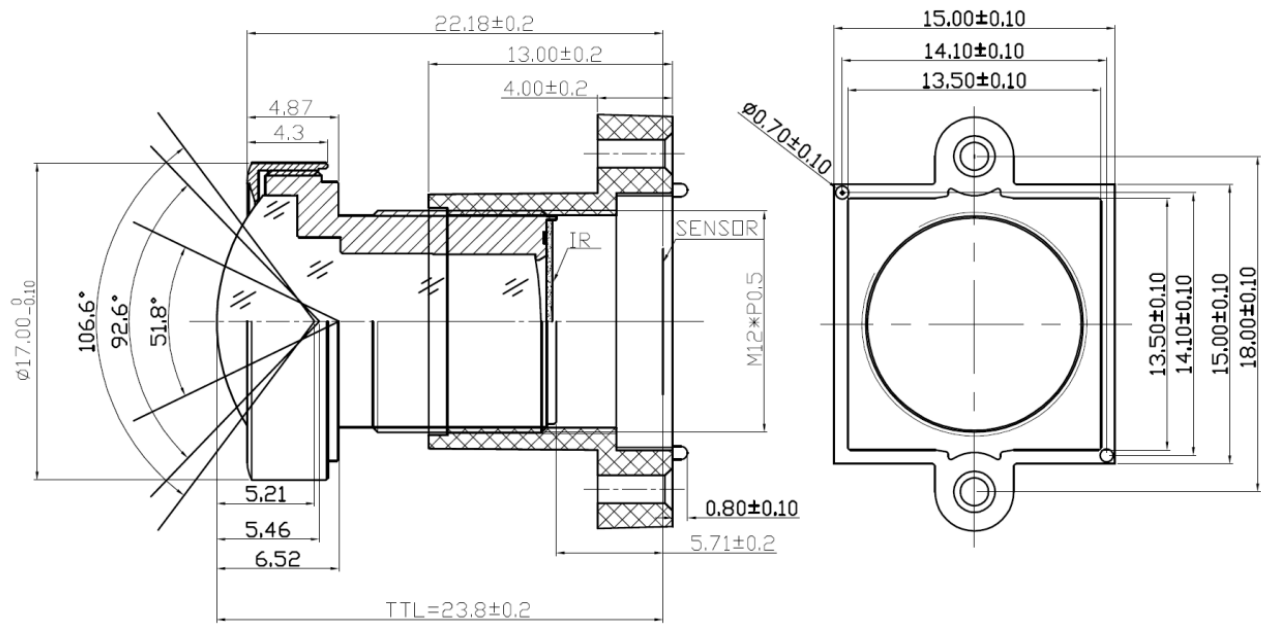


Pin 1

PLATFORM SUPPORT

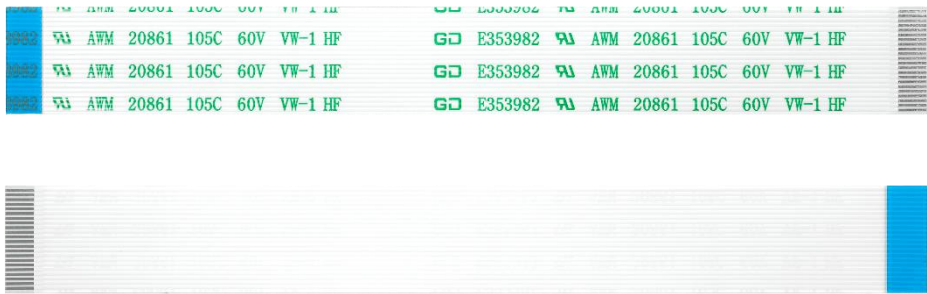
Platform	Processor
NVIDIA Jetson	Jetson AGX Orin
	Jetson Orin NX
	Jetson Orin Nano
	(For more information please contact our local sales)

LENS SPEC.



Items	Specification
F no.	1.8
Focal length	3.48mm
Lens structure	7G
Mount	M12*P0.5 (S-Mount)

CABLE APPEARANCE



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