



EV8M-CSM1

MIPI CSI-2 8MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 3840x2160 @30fps (Max Resolution)
- Support Starvis low light, HDR, ISP inside
- HDR Dynamic Range: 85dB
- Lens FOV (D/H/V) : 148° / 125° / 67°
- Platform Support: NVIDIA Jetson Orin



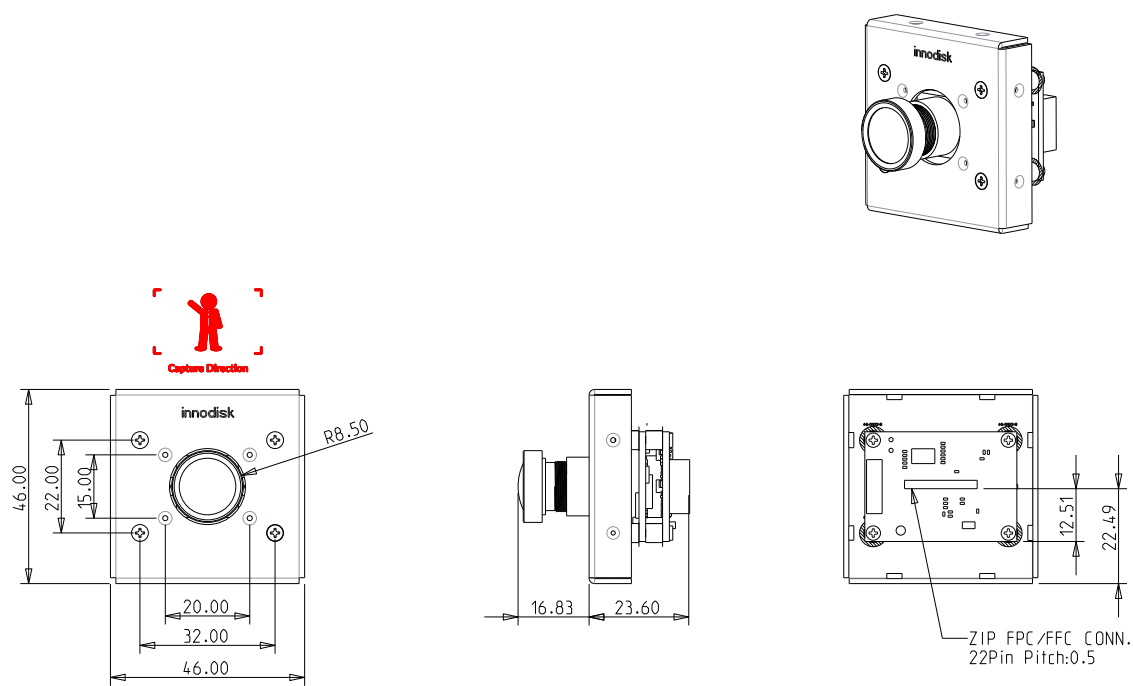
SPECIFICATIONS

Model Name	EV8M-CSM1
Module Type	MIPI CSI-2 8MP Fixed Focus Camera Module
Resolution (Max.)	3840 x 2160 @30fps
Output I/F	MIPI CSI-2
Sensor	Sony IMX415
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 1.9W (YUV422 @Full Resolution)
Operation Temperature	-20°C ~ 65°C
Sensor Size	1/2.8"
Pixel Size	1.45 um
Lens Type	Fixed focus (M12)
Dimension (W x L x H/mm)	46 x 46 x 39.89
Lens D / H / V FOV	148° / 125° / 67°
OS Support	NVIDIA Jetson Orin (For more information please contact our local sales)
Warranty	3 Years

ORDER INFO.

P/N	Description
EV8M-CSM1-RTCF-21	MIPI CSI-2 8MP Fixed Focus Camera Module (MIPI CSI-2 FFC Cable Included)

MECHANICAL DRAWING

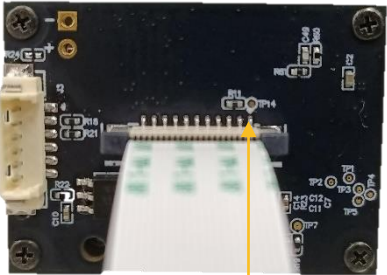


RESOLUTION MATRIX

Resolution	YUV422	MJPEG
3840*2160	30/25 fps	N/A
2560*1920	30/25 fps	N/A
2560*1440	30/25 fps	N/A
1920*1080	30/25 fps	N/A
1280*960	30/25 fps	N/A
1280*720	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

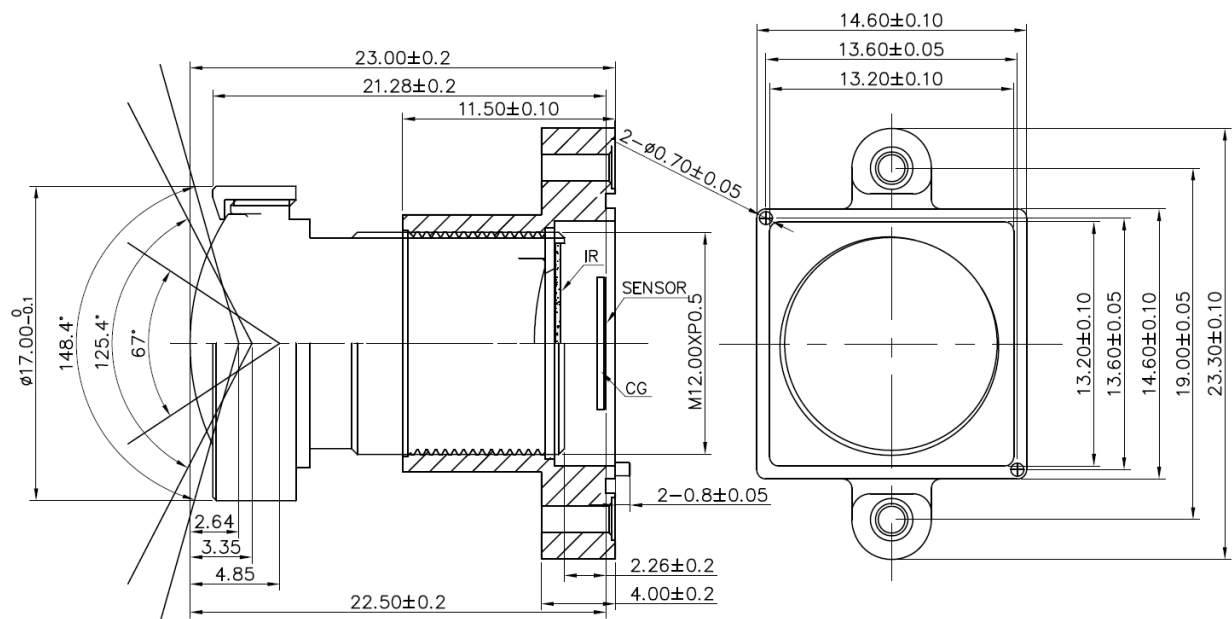


Pin 1

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	2.74mm
Lens structure	7G
Mount	M12*P0.5 (S-Mount)

CABLE APPEARANCE



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