



EV2M-CSM1

MIPI CSI-2 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 1920 x 1080 @120fps (Max Resolution)
- Support Starvis Low Light, HDR, ISP Inside
- Dynamic Range : 72dB
- Lens FOV (D / H / V) : 106° / 92.6° / 51.8°
- Platform Support : NVIDIA Jetson Orin

SPECIFICATIONS

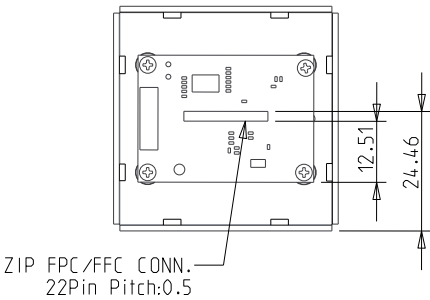
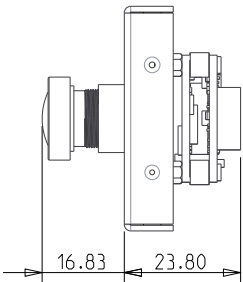
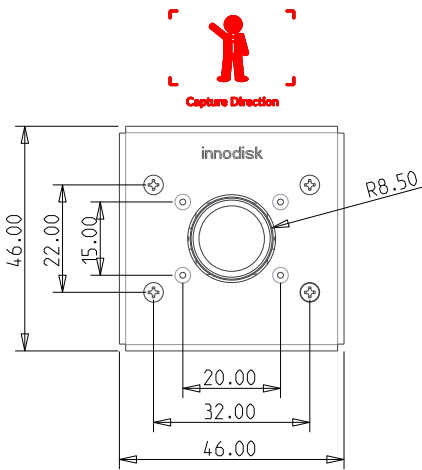
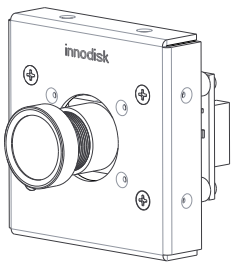
Model Name	EV2M-CSM1
Module Type	MIPI CSI-2 2MP Fixed Focus Camera Module
Resolution (Max.)	1920 x 1080 @120fps
Output I/F	MIPI CSI-2
Sensor	Sony IMX290
Shutter	Rolling
Video Format	YUV422
Power Consumption	Approximate 1.5W (YUV422 @Full Resolution)
Operation Temperature	-30°C ~ 65°C
Sensor Size	1/2.8"
Pixel Size	2.9µm
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 / Platform 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



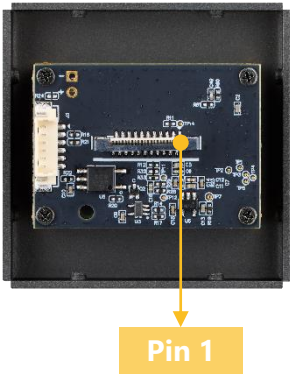
TOLERANCE: ±0.30mm
UNIT: mm

RESOLUTION MATRIX

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

CONNECTOR PIN ASSIGNMENT

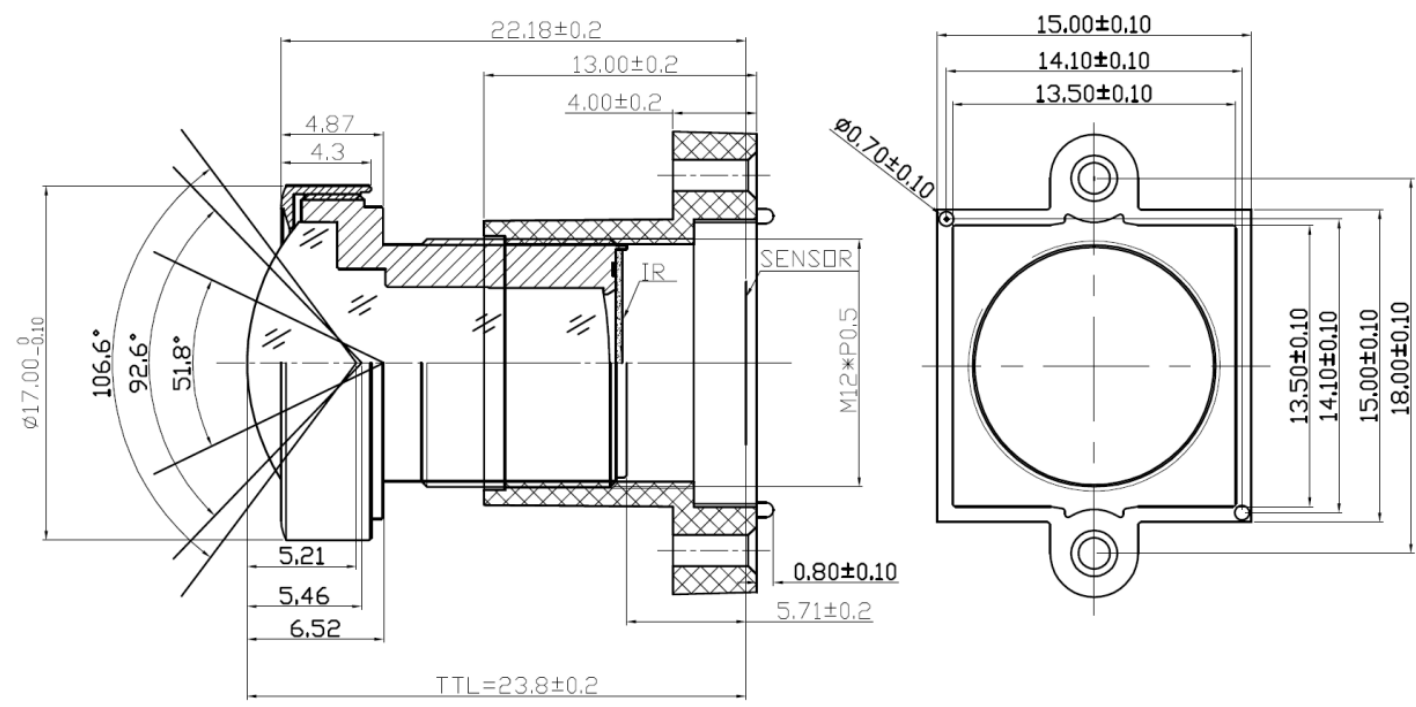
Pin #	Pin Name	Description
1	GND	Ground
2	CAM_D0_N	CSI Data 0
3	CAM_D0_P	CSI Data 0
4	GND	Ground
5	CAM_D1_N	CSI Data 1
6	CAM_D1_P	CSI Data 1
7	GND	Ground
8	CAM_CK_N	CSI Clock
9	CAM_CK_P	CSI Clock
10	GND	Ground
11	CAM_D2_N	CSI Data 2
12	CAM_D2_P	CSI Data 2
13	GND	Ground
14	CAM_D3_N	CSI Data 3
15	CAM_D3_P	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



PLATFORM SUPPORT

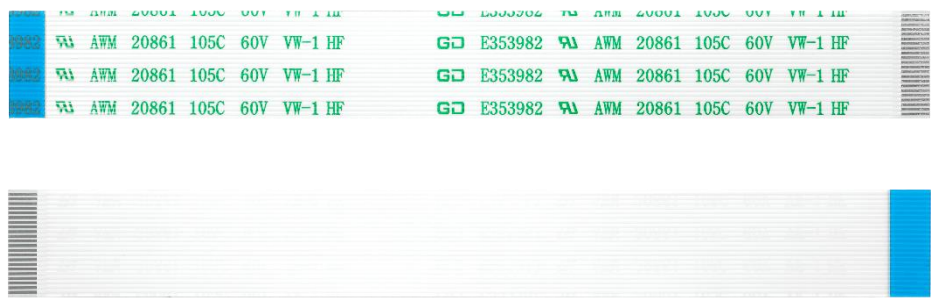
Platform	Processor
NVIDIA Jetson	Jetson AGX Orin Jetson Orin NX Jetson Orin Nano
For more information please contact our local sales.	

LENS SPEC.



Items	Specification
F No.	1.8
Focal Length	3.48mm
Lens Structure	7G
Mount	M12 x P0.5 (S-Mount)

CABLE APPEARANCE



HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com
CN T +86-755-2167-3689 / E sales_cn@innodisk.com

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

ES France - Mobilité & Systèmes Embarqués
127 rue de Buzenval BP 26 - 92380 Garches

Tél. 01 47 95 99 80
Fax. 01 47 01 16 22

e-mail : mse@es-france.com
Site Web : www.es-france.com