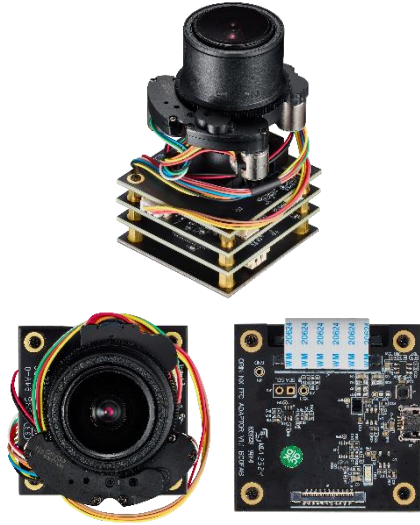




EV2M-ZOM1

MIPI CSI-2 2MP Varifocal Camera Module

HIGHLIGHT FEATURES

- MIPI CSI-2 Interface, 1920 x 1200 @60fps (Max Resolution)
- Support Global Shutter, ISP inside
- Lens D / H / V FOV : (W) 128.1° / 103.1° / 60.6°, (T) 39.9° / 33.8° / 21.1°
- Platform Support : NVIDIA Jetson Orin

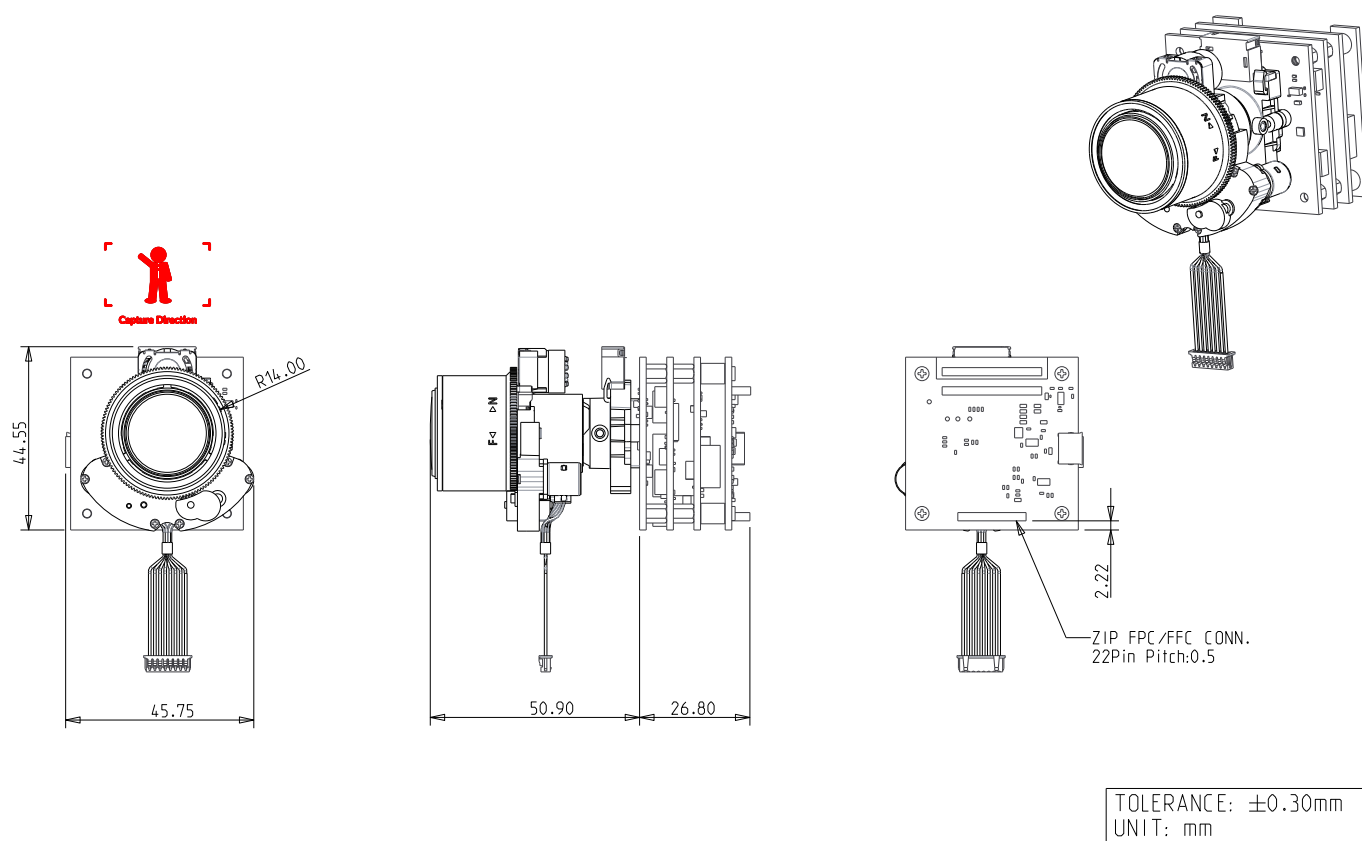
SPECIFICATIONS

Model Name	EV2M-ZOM1
Module Type	MIPI CSI-2 2MP Varifocal Camera Module
Resolution (Max.)	1920 x 1200 @60fps
Output I/F	MIPI CSI-2
Sensor	Onsemi AR0234
Shutter	Global
Video Format	YUV422
Power Consumption	Approximate 2W (YUV422 @Full Resolution)
Operation Temperature	-20°C ~ 65°C
Sensor Size	1/2.6"
Pixel Size	3.0μm
Lens Type	Varifocal
Dimension (W x L x H/mm)	42 x 42 x 76
Lens D / H / V FOV	W : 128.1° / 103.1° / 60.6° T : 39.9° / 33.8° / 21.1°
OS / Platform Support	NVIDIA Jetson Orin (For more information please contact our local sales.)
Warranty	3 Years

ORDER INFO.

P/N	Description
EV5M-CSM1-RTCF-21	MIPI CSI-2 2MP Varifocal Camera Module (MIPI CSI-2 FFC cable included)

MECHANICAL DRAWING



RESOLUTION MATRIX

Resolution	YUV422	MJPEG
1920 x 1200	60 / 50 / 30 / 25 fps	N/A
1920 x 1080	100 / 60 / 50 / 30 / 25 fps	N/A
1280 x 960	100 / 60 / 50 / 30 / 25 fps	N/A
1280 x 720	100 / 60 / 50 / 30 / 25 fps	N/A
1024 x 768	100 / 60 / 50 / 30 / 25 fps	N/A
640 x 480	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

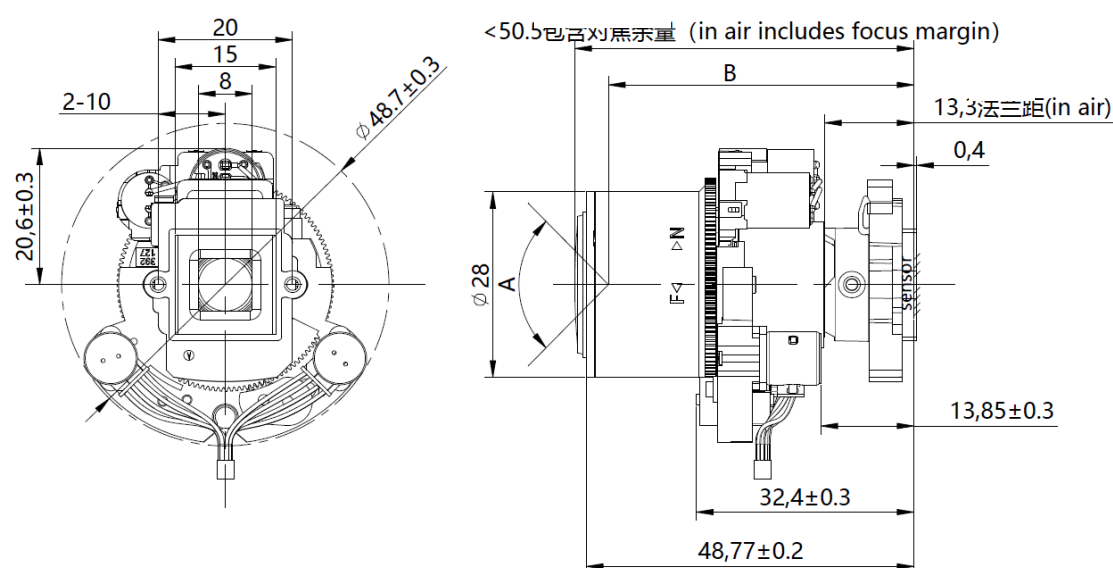


Pin 1

PLATFORM SUPPORT

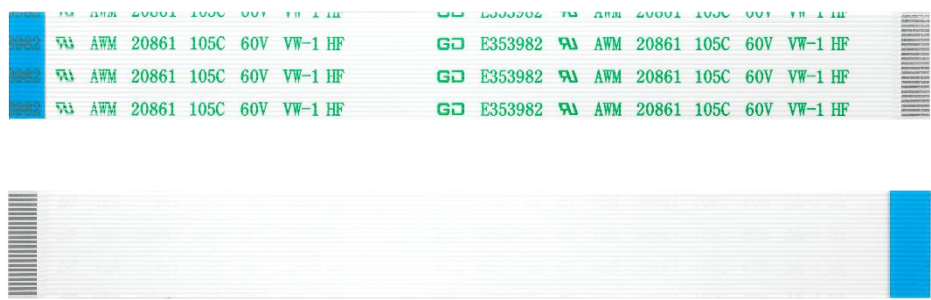
Platform	Processor
NVIDIA Jetson	Jetson AGX Orin Jetson Orin NX Jetson Orin Nano
For more information please contact our local sales.	

LENS SPEC.



Items	Specification
F No.	1.86 ~ 3.32 ± 5%
Focal Length	3.5 ~ 9.85mm ± 3%
Lens Structure	9G
Mount	14mm

CABLE APPEARANCE



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