SM3S11NS

3MP MIPI Camera

www.sensing-world.com

Basic Description

This camera module uses a Sony image sensor with a built-in ISP image processor, delivering professionally tuned high-quality images, and compatible with different platforms.

Key Parameters

Sensor	3MP Sensor ISX031
Shutter	Rolling shutter
Output Pixels	1920H*1536V 1600H*1200V
Frame rate	60FPS
HDR Support	Yes
Output data	YUV422
Color / Mono	Color sensor
Power Supply	3.8V 1.8V 1.1V
Power consumption	< 0.5W
Camera interface	FPC
Connector	DIANWEI 8.03A0.033200
Operating temp.	-20 to +60℃
Storage temp.	-20 to +75℃
Dimensions	28.4*17.8*19.5mm
Weight	15g

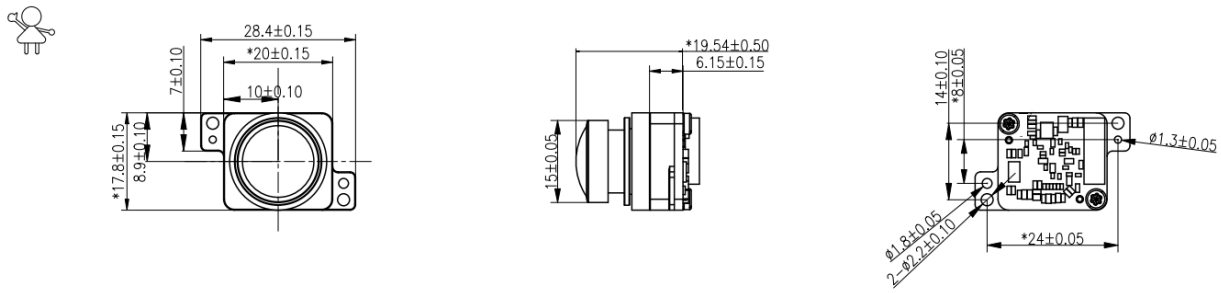
Pin Definition

NO	Pin Name	Type
1	VCC-1.1V	POWER
2	VCC-1.1V	POWER
3	VCC-1.1V	POWER
4	VCC-1.1V	POWER
5	GND	POWER
6	EXTCLK	Level 1.8V
7	GND	POWER
8	D3_P	MIPI
9	D3_N	MIPI
10	GND	POWER
11	D2_P	MIPI
12	D2_N	MIPI
13	GND	POWER
14	CLK_P	MIPI
15	CLK_N	MIPI
16	GND	POWER
17	D1_P	MIPI
18	D1_N	MIPI
19	GND	POWER
20	D0_P	MIPI
21	D0_N	MIPI
22	GND	POWER
23	VCC-1.8V	POWER
24	Sensor-SCL	Level 1.8V
25	Sensor-SDA	Level 1.8V
26	NC	NC
27	BOOT	Level 1.8V
28	FSYNC	Level 1.8V
29	BOOT	Level 1.8V
30	RESETn	Level 1.8V
31	NC	NC
32	NC	NC
33	NC	NC
34	GND	POWER
35	VCC-3.8V	POWER

Optical Specifications

Resolution	HFOV	VFOV	Aperture	Focal Length	Depth of Field	Lens Spec
1600*1200	176°	140°	F2.0	1.68mm	0.15m-INF	AA
1920*1536	200°	155°	F2.0	1.68mm	0.15m-INF	AA

Dimensions



Remarks:

△ The icon indicates the forward image orientation, and mirroring can be processed via software.

Dimensions

Revision History

Version	Description	Date
Rev1	First release	2026.10