

oToBrite



Automotive Camera

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oToCAM271ISP-M (IMX728)

Overview

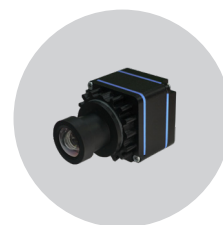
The oToCAM271ISP-N30M / oToCAM271ISP-N70M / oToCAM271ISP-N120M is an automotive grade camera for the application of autonomous driving system. It uses a high sensitive CMOS sensor to perform good image quality for the detection purpose of the system product.



oToCAM271ISP-N30M



oToCAM271ISP-N70M



oToCAM271ISP-N120M

Specifications

• General Specifications

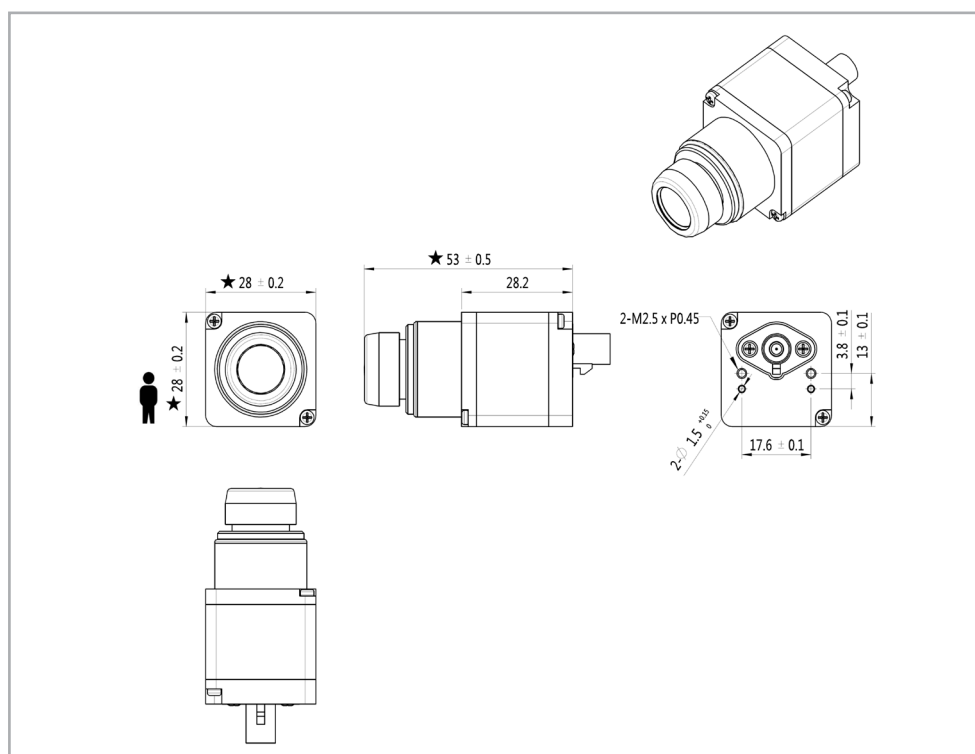
Item	Specifications
Image sensor	CMOS (Sony IMX728)
HDR	Supported
LFM	Supported
Optical format	1/1.72
Pixel size	2.1um x 2.1um
ISP chip	GW5300
Camera number of pixels	8M (3840(H) x 2160(V))
Resolution	TBD
Color filter array	RGGB
Output Interface	GMSL2 with POC
Output Formats	MIPI 4lane YUV422 8bits
S/N ratio	46.3 dB
Power source (POC)/Typical	DC TBD. ~12V/TBD.V
Startup time of power in	1.8s
Frame rate	30 fps (default setting)
Serializer	MAX9295a
Operating Temperature	-40°C ~ +85°C
Storage temperature Range	-40°C ~ +95°C
Waterproof	IP67/IP69K

• Product Specifications (by models)

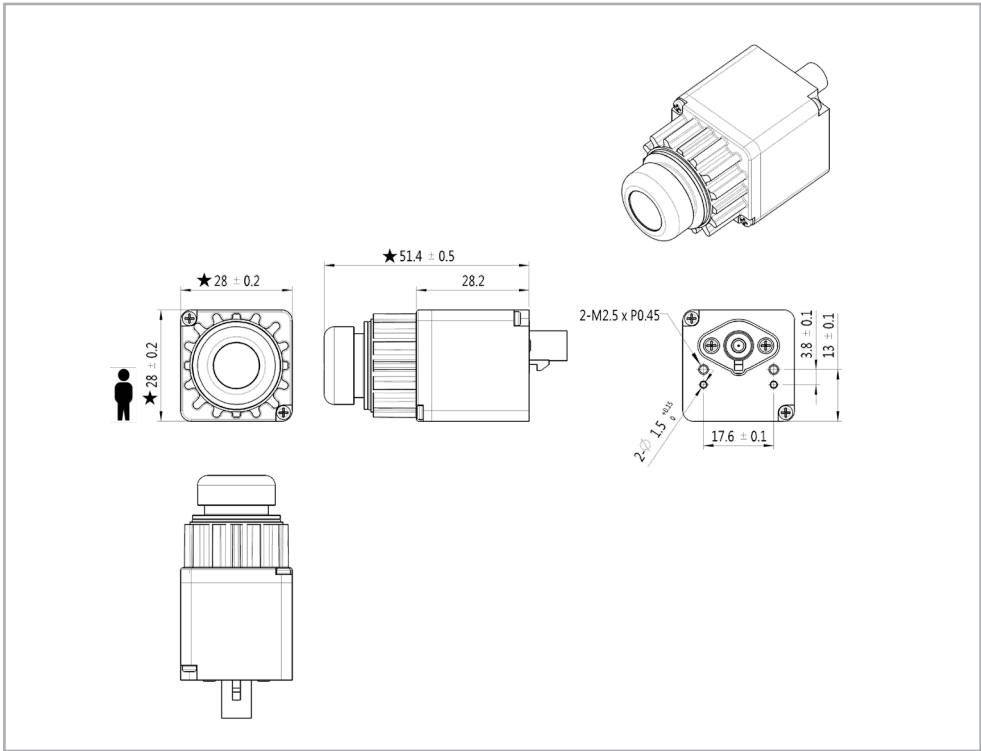
Item	oToCAM271ISP-N30M	oToCAM271ISP-N70M	oToCAM271ISP-N120M
View angle (H)	30°	70°	120°
Lens F No.	1.65	1.65	1.6
IR cut edge	660nm	660nm	650nm
DOF/Object Distance	34M~inf.@inf	6.5M~inf.@inf	3.9M~inf.@inf
Camera Current Consumption	≤ TBD. mA @12V/ 25°C	≤ TBD. mA @12V/ 25°C	≤ 220mA @12V/ 25°C at bring up
Dimensions	28 x 28 x 52.8 mm	28 x 28 x 51.4 mm	28 x 28 x 49.7 mm
Weight	63.78 g	44.1g	52.8g

Outline Drawing

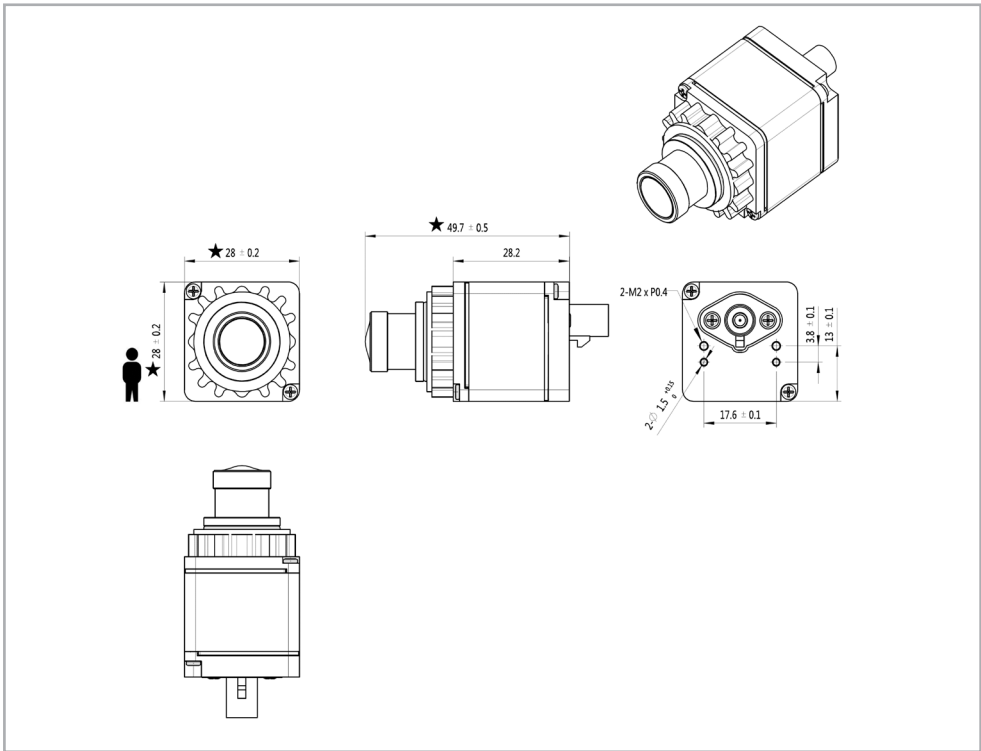
• oToCAM271ISP-N30M Mechanical Dimensions



• oToCAM271ISP-N70M Mechanical Dimensions



• oToCAM271ISP-N120M Mechanical Dimensions



driving easier and safer



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