

oToBrite



Automotive Camera

> > > > > > > > > > > > > > > > >

oToCAM277 Series (AR0827)

Overview

The oToCAM277 Series is an automotive grade camera for the application of autonomous driving system. It uses a highly sensitive CMOS sensor to perform good image quality for the detection purpose of the system product.



oToCAM277-N30M



oToCAM277-N70M



oToCAM277-N120M

Specifications

• General Specifications

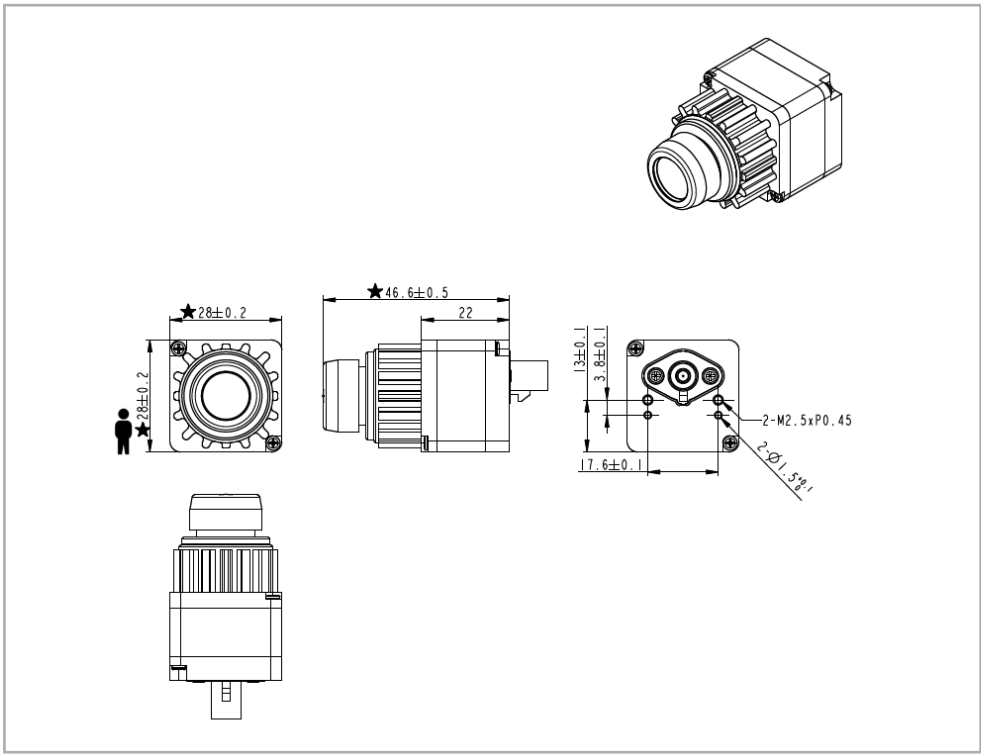
Item	Specifications
Image sensor	CMOS (AR0827)
HDR	Supported
LFM	Supported
Optical format	1/1.8 inch
Pixel size	2.1um x 2.1um
Camera number of pixels	8M (3840(H) x 2160(V))
Color filter array	Bayer (GRBG)
Output Interface	GMSL2 with POC
Output Formats	12-bit RAW data (default setting)
S/N ratio	52.5 dB
Power source (POC)/Typical	9V~17V
Startup time of power in	Within 200ms (SerDes initialization)
Frame rate	30 fps
Serializer	MAX9295A
Operating Temperature	-40°C ~ +85°C
Storage temperature Range	-40°C ~ +85°C
Waterproof	IP69K

• Product Specifications (by models)

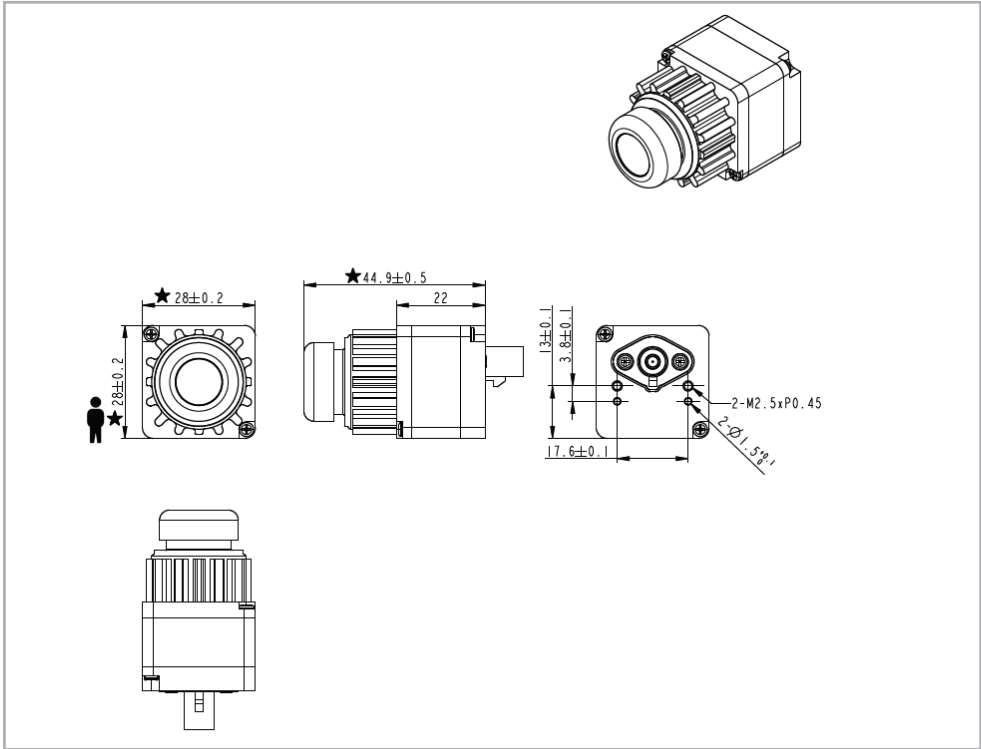
Item	oToCAM277-N30M	oToCAM277-N70M	oToCAM277-N120M
View angle (H)	30°	70°	120°
Lens F No.	F1.65	F1.65	1F.6
IR cut edge	660nm	660nm	650nm
DOF/Object Distance	34M~inf.	6.5M~inf.	4M~inf.
Camera Current Consumption	≤ 110 mA @12V/ 25°C	≤ 110 mA @12V/ 25°C	≤ 110 mA @12V/ 25°C
Dimensions	28 x 28 x 46.6 mm	28 x 28 x 44.9 mm	28 x 28 x 43.2 mm
Weight	59 g	59.5 g	52.1g

Outline Drawing

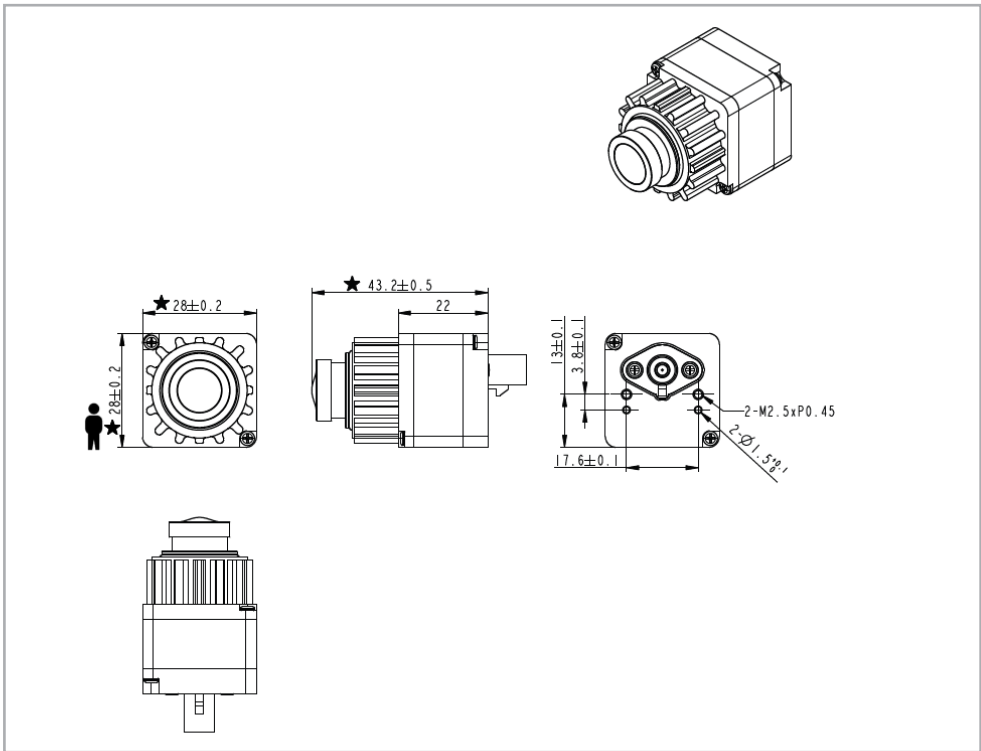
• oToCAM277-N30M Mechanical Dimensions



• oToCAM277-N70M Mechanical Dimensions



• oToCAM277-N120M Mechanical Dimensions



driving easier and safer



9F-2, No. 8, Keyan Rd., East Dist., Science-Based Industrial Park,
Hsinchu, Taiwan (R.O.C.)

|| +886-(0)3-666-7968

|| sales@otobrite.com

|| www.otobrite.com