

3D TOF Sensor Module

Interfering light immunity

Ambient light immunity equivalent to 100,000lx
It's powerful ambient light immunity ensures stable detection performance free from saturation even in bright places.

High precision

$\pm 2\%$ (2m)
Achieves high output accuracy for compensated signals.

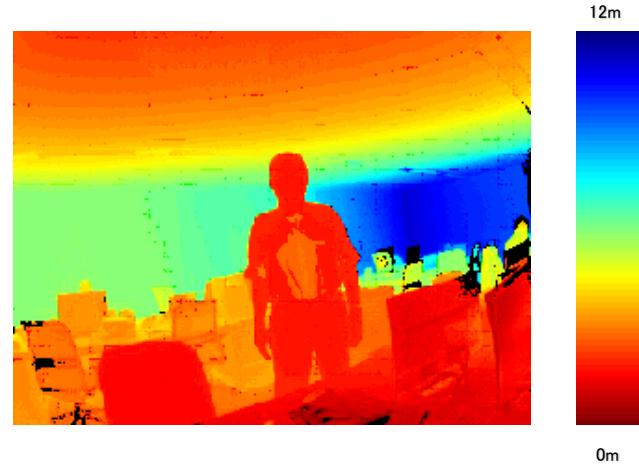


Long life

Long life equivalent to 5 years under continuous driving. According to OMRON's research in March, 2020
Long life thanks to OMRON's unique circuit design and heat emission design.

Technology Overview

Specification	
Pixel number	320 x 240
Angle of view	70° x 90°
Detection distance	0.5m ~ 4m
fps	10fps (Normal mode)
Light source	LED (emission wavelength 940nm)
Ambient light immunity	Up to 100,000 lx
Power-supply voltage	DC24V
Operating temperature	0°C ~ 50°C
Preservation temperature	-20°C ~ +60°C



Application

Robot



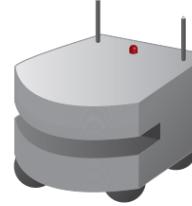
Security



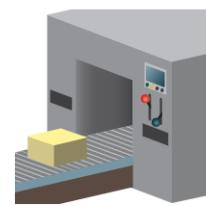
Nursing system



AMR



Material handling



Contact