3D MEMS LIDAR System
“InfiniSoleil FX10”
unaffected by ambient light

Key Features

- Long lifetime and high ambient light resistance using MEMS scanning mirror
- Compact Packaging and low cost
- Includes *Imaging processing and IMU
  * You need use license fee and SDK separately.

Applications

- Obstacle and pedestrian detection for moving vehicle (robot, construction machine, farm machine)
- Congestion detection for monitoring
- Object detection (shape, volume)

Specifications

- Detecting range: 0.3m~15m
- Resolution (Frame rate): 16f/s(53 × 33), 10f/s(65 × 40), 4f/s(100 × 60)
- Angular resolution: 20 × 27mrad, 16 × 23mrad, 11 × 15mrad
- Ranging accuracy (Repeatability): ±20~±100mm @±3σ with a reflection rate 12% or more, for diffusion objects, at a distance of 0.3~5 m
- Dimensions/Weight: W50 x H72 x D96mm/ about 400g
- Ambient light resistance: 200,000 lx or less, IP65
- Operating temperature: -10~+50°C
- Supply voltage: DC+12V～+24V
- External Interface: Ethernet (TCP/IP)・Contact input/output
- Imaging processing: Built-in *need SDK separately

* The specifications might vary because of under developing.

Ranging image by software development