

Safety Technology from

SICK
Sensor Intelligence.

Horizontal area monitoring for mobile platforms and robotics

Vertical access protection for safe material flow

Horizontal area monitoring for outdoor mobile platforms and passenger boarding bridges



2D LiDAR

3D ToF
(Time of Flight)



3D collision protection for mobile robots

3D protection for collaborative robots

3D contour detection fields for cliff detection

Access detection in harsh environments (wood, paper, plastic, etc.)

3D area monitoring for restart prevention

Useful for rail, crane, and other outdoor applications



Radar

SICK
Sensor Intelligence.




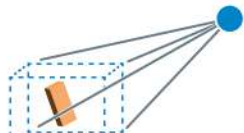




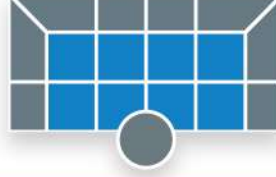














microScan3
2D LiDAR



safeVisionary2
3D ToF



safeRS3
Radar

Field of View & Protective Field Range	275° horizontal  ≤ 9 m	68° x 42°  ≤ 4 m	100° x 20°  ≤ 5 m
Object Resolutions	Hand, Leg & Body 	Hand, Arm, Leg & Body 	Body 
Performance Level	SIL2, Category 3 d (safety rating)	SIL1, Category 2 c (safety rating)	SIL2, Category 3 d (safety rating)
Configurable Fields	128 total (up to 8 simultaneous) 	24 total (up to 2 simultaneous) 	24 total (up to 4 simultaneous) 
Control System Integration	 I/O   Safety over EtherCAT  	 I/O 	 I/O 
Measurement Data	 Yes, up to 64 m via TCP or UDP	 Yes, up to 16 m via UDP	 Detection Only

Additional 2D LiDAR Products

- 3 m protective range, 275° FoV
- 128 fields with Digital I/O and non-safe Ethernet
- Cat. 3, SIL2, and PLd
- Simultaneous field protection
- Compact size: 106.6 mm x 80 mm x 117.5 mm



nanoScan3

- Solid-state LiDAR with 150° FoV
- 1.1 m protective range (4 m warning)
- Digital I/O or CANopen/CANopen Safety
- Cat. 2, SIL1, PLC
- NFC and SICK Safety Assistant compatibility



scanGrid2