

for LiDAR

Polygon Mirrors and Scanner Motors

Nidec
-All for dreams

Nidec Copal Electronics is the global No.1 supplier of Polygon scanners products.



- We're the No.1 in global market share for polygon mirrors.

Manufacturing Capacity:

Have manufactured over 1 million units annually for the past decade.

- All of our polygon mirrors are custom and can be made into a variety of configuration and sizes, and cost effectiveness.

*A mirror with a diameter of $\phi 15\text{mm}$, with 4 facets, and 2mm thickness coated with protective SiO_2 coating at high volume quantity. \Rightarrow **\$5 or less***

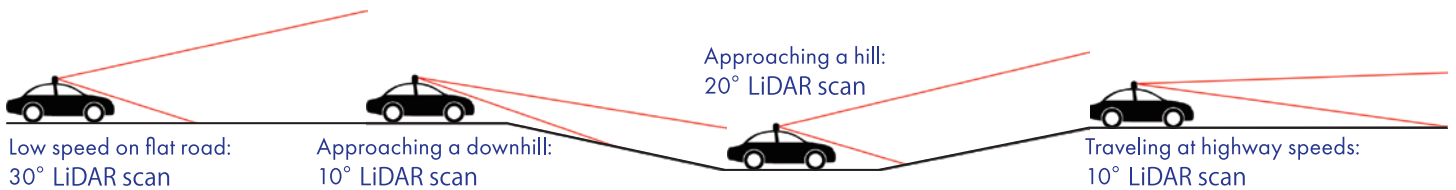
- Nidec Copal Electronics Corporation in a joint partnership with Nidec Corporation is currently developing an automotive grade polygon scanner for LiDAR.

NIDEC × NIDEC COPAL ELECTRONICS

for LiDAR



Polygons are most practical and optimal solution for LiDAR for autonomous vehicles compared to other device like MEMS.



Value for LiDAR Applications

Scan Device	Scan Angle	Scan Rate	Scan Distance
Polygon 	Wide 	 Stable, High scanning accuracy	Compatible with "Long-range" type LiDAR
Galvo 	Narrow 	 Non-linear scanning	Limited for Short-range application

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■ Specifications are subject to change without notice.

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