

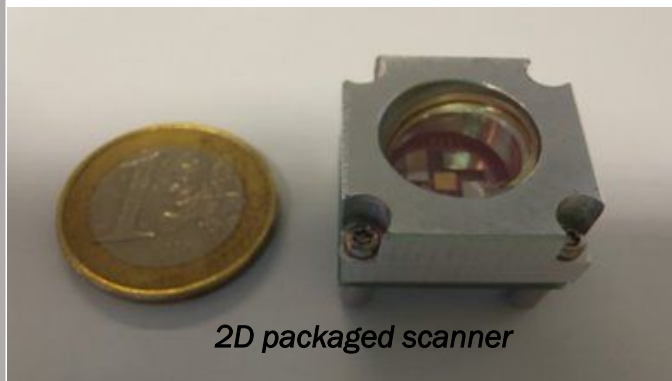


« SELLING » STATEMENT:

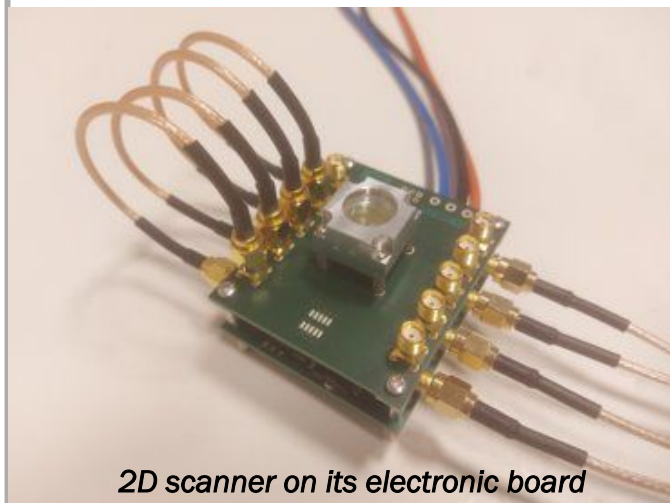
A 2D MEMS Scanner for performing automotive long-range LIDAR

« SELLING » STATEMENT:

A 2D MEMS Scanner for performing automotive long-range LIDAR



2D packaged scanner



2D scanner on its electronic board

KEY FEATURES

Competitive advantages:

- ✓ High Power management using Bragg reflector
 - Higher incident laser power
 - 4 times less absorption versus Gold reflector
- ✓ Compatible with close-loop control
 - Control of the scanning position
- ✓ Low driving voltage & Low power consumption using piezoelectric actuation
 - 25V polarisation in quasi-static driving mode
 - Decrease of the overall power budget → portable application
- ✓ Collective and monolithic technology
 - No manual step (no magnet), mass- producible, low-cost

Intellectual property
Three CEA IP patents

Research
Increase MRL level and explore other application domains

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