

Mirada's MP Series optical scanners deliver high speed optical scanning for automotive, industrial, and medical applications.

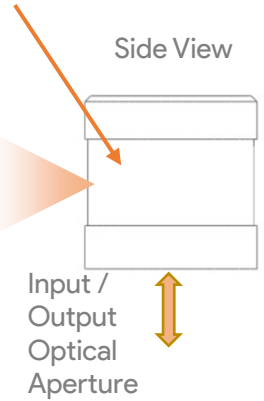
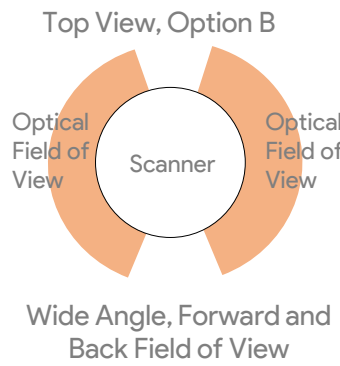
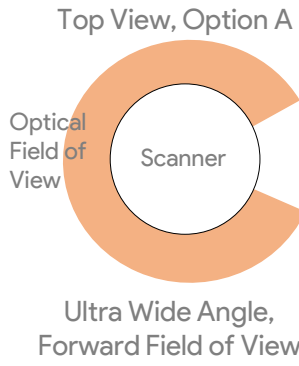
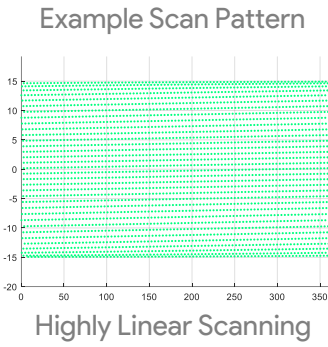
Features

- Up to 300° of azimuthal scan
- Up to 90° of elevation scan
- No scan line bow
- High speed stability
- High reflectivity
- High volume scalable
- Flexible: Optical aperture from ~1mm to >100mm



Architecture Details

Note: Outer cover optional, application dependent



Model Numbers

MP300A-V12-S03-E1024

- Ideal Azimuthal Scan Angle [°]. Std = 300. Inquire for other options
- Scan Style A, or B. See above.
- Control Voltage. Standard =12V. Optional = 24V.
- Speed. 03 (3k RPM). Inquire for other options
- Differential output Quadrature Encoder Output: Std=5000 CPR. Options: 4096, 2049, 1024, 512, 128

Specifications

	Typ
Dynamic Track [arc sec]	<144
Jitter [%]	<0.5
Speed Stability [%]	<0.5
Time to Speed [s]	<20
Sound Level at 600 RPM [dBa]	<50
Operating Temp [C] min/max	-40/85
Storage Temp [C] min/max	-40/105

	Typ
Mirror Surf Figure	< λ /3
Mirror Surf Roughness, RMS [nm]	5
Mirror Surf Quality	60/40
Optical Damage Threshold, min [mJ/cm ²]	60
Reflectivity at 1550nm, min [%]	>90
Base Reflectivity [%]	<20