

shaping the future of optics

Optotune mirror presentation

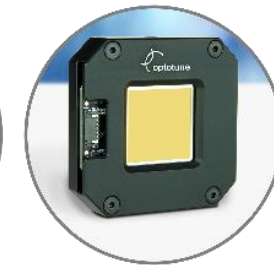
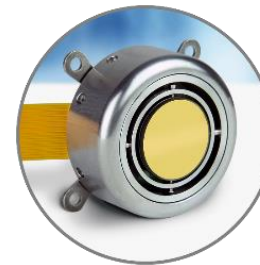
Mirrors for free-space communication

Dietikon, 29.08.2023

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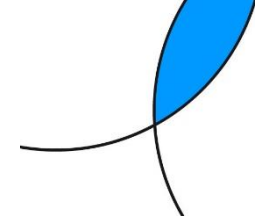


MR-15-30 2D mirror in action

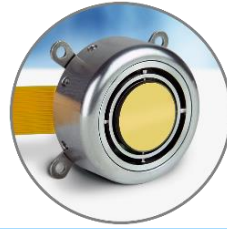


- Large deflection (+/- 25°)
- 15mm clear aperture
- Compact
- Precise

Optotune has extended its mirror portfolio



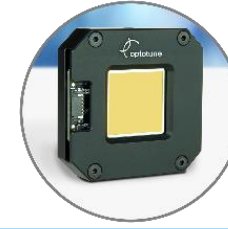
MR-15-30



MR-10-30



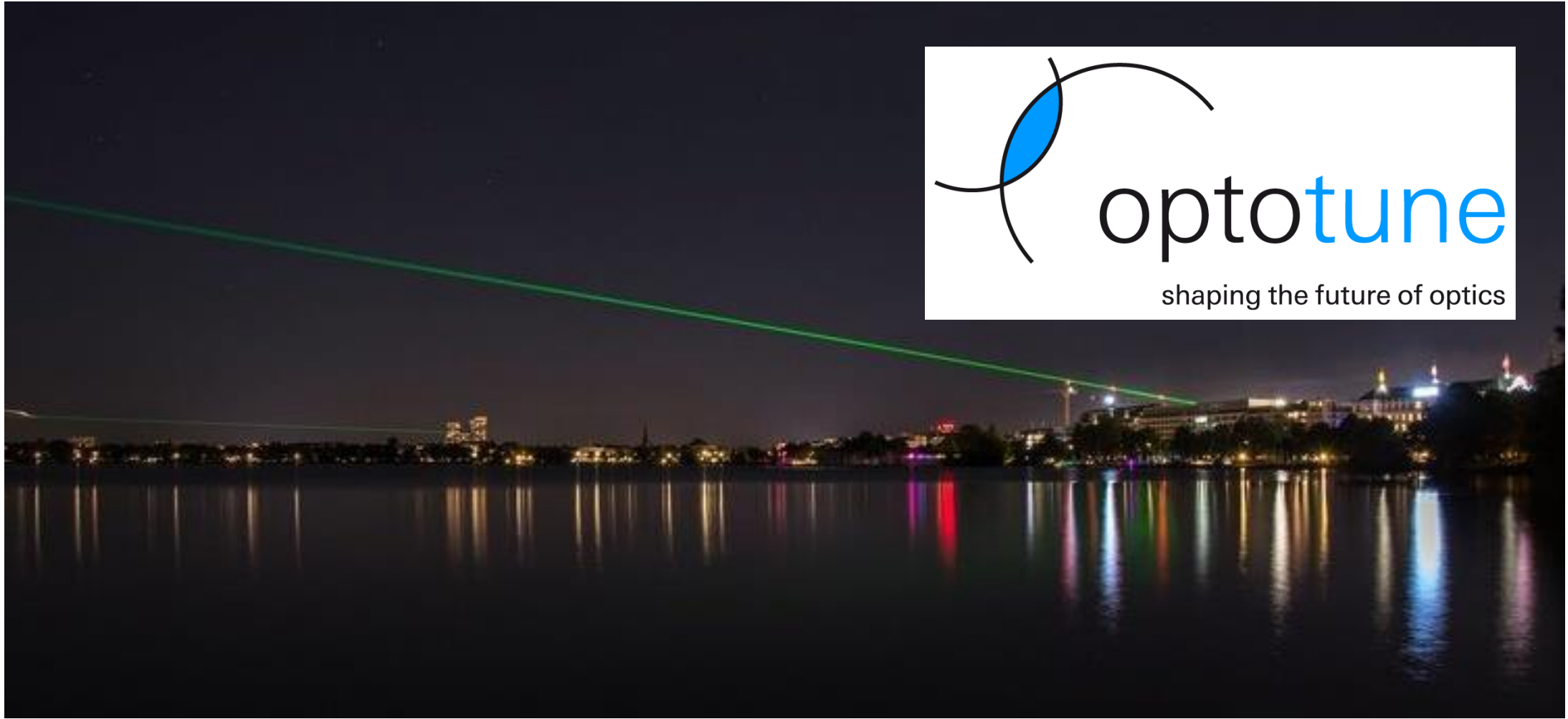
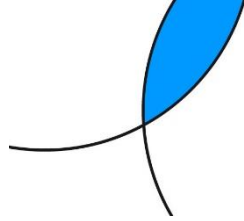
FMR-20



MR-50



# axis	2D	2D	2D	1D
Mirror size	Ø15 mm	Ø10 mm	20x20 mm ²	55x50 mm ²
Mechanical tilt – 1. axis (half angle)	25°	12.5°	0.2°	30°
Full-scale bandwidth – 1. axis	20 Hz	250 Hz	250 Hz	10 Hz (triangular)
Mechanical tilt – 2. axis (half angle)	25°	25°	0.2°	--
Full-scale bandwidth – 2. axis	20 Hz	20 Hz	250 Hz	--
Mech. Repeatability RMS	40 µrad	40 µrad (1. axis)	--	600 µrad estimated
Resolution	22 µrad	22 µrad	4 µrad	150 µrad
Footprint	30x14.5	30x14.5	50.8 x 50.8 x 12	67.5 x 70 x 45
Position feedback	yes	yes	no	yes



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