

15mm Dia. Mirror, Protected Silver, Optotune Dual Axis Fast Steering Mirror with Position Feedback

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Stock **#73-042** **3 In Stock**

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1

+

€2.955⁰⁰

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Product Downloads

General

Note:

Do not connect or disconnect the mirror head while the base unit is connected to power as this will damage the mirror driver.

Physical & Mechanical Properties

2 - 2.5	Step Response (μsec):
15.00	Diameter (mm):
8 (@ 10°)	Step Response 20° (ms):
±25	Mechanical Tilt (°):

30 - 100 RMS	Repeatability (μrad):
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Optical Properties

Protected Silver	Coating:
60-40	Surface Quality:

±25 (Mechanical) ±50 (Optical)	Scan Angle (°):
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Ravg >94% @ 400 - 2000nm	Coating Specification:
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Hardware & Interface Connectivity

24 - 48 VDC	Power Requirement:
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Windows® 10	Operating System:
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Power Supply Required and Sold Separately. USA: #73-038 Europe: #73-038 Japan: Not Available Korea: Not Available China: #73-038	Power Supply:
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Environmental & Durability Factors

0 to +40	Operating Temperature (°C):
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-40 to +85	Storage Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
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View	Certificate of Conformance:
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Compliant	Reach 240:
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Product Details

- ±50° of Optical Scanning
- Protected Gold or Silver, and MS Dielectric Coated Mirror Options
- Compact 45mm Diameter Housing Footprint
- Control via USB, SPI, or Analog Input

Optotune Fast Steering Mirrors provide a larger optical scanning range and mirror size than conventional galvanometers or micro-electro-mechanical (MEMS) mirrors. This dual axis voice-coil mirror (VCM) has a compact footprint with a large 15mm mirror that can be adjusted with ±25° of mechanical tilt for ±50° of optical scanning range. The mirror is operated using the [Optotune Cockpit GUI](#) via USB, serial peripheral interface (SPI), or analog input. Optotune Fast Steering Mirrors are available with a protected silver or gold, and MS dielectric coating, enabling their use in both visible and near-infrared (NIR) applications. Typical applications for these fast steering mirrors include automotive LiDAR, biometric eye tracking, and field of view expansion of vision systems.

Note: [#14-574](#), [#14-575](#), and [#18-281](#) require [#14-576](#) for operation and [#73-039](#), [#73-042](#), and [#73-043](#) require [#73-038](#) for operation. A heatsink is included with each mirror and recommended to be used to ensure proper heat-dissipation. Do not connect or disconnect the mirror head while the base unit is connected to power as this will damage the mirror driver.