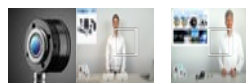


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15mm Dia. Mirror, Protected Silver, Optotune Dual Axis Fast Steering Mirror with Position Feedback

See More by [Optotune](#)



Stock #73-042 **1 In Stock**

1 MRP ₹3,13,821

Price inclusive of all taxes

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| Volume Pricing | |
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| Qty 1+ | ₹3,13,821 each |
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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): |

Optical Properties

| | |
|--------------------------------|-------------------------------|
| Protected Silver | Coating: |
| 60-40 | Surface Quality: |
| ±25 (Mechanical) ±50 (Optical) | Scan Angle (°): |
| Ravg >94% @ 400 - 2000nm | Coating Specification: |

Hardware & Interface Connectivity

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

Environmental & Durability Factors

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

Regulatory Compliance

| | |
|---|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 240: |
| Slovakia | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

Product Details

- ±50° of Optical Scanning
- Protected Gold or Silver, and VIS 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 VIS 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.