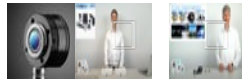


[See all 6 Products in Family](#)

# 15mm Dia. Mirror, VIS Dielectric, Optotune Dual Axis Fast Steering Mirror with Position Feedback

See More by [Optotune](#)



Stock #73-043 [CONTACT US](#)

- 1 + \$4,137<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	\$4,137.00 each
Need More?	<a href="#">Request Quote</a>

## 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

Step Response (μsec):

2 - 2.5

**Diameter (mm):**

15.00

**Step Response 20° (ms):**

8 (@10°)

**Mechanical Tilt (°):**

±25

**Repeatability (µrad):**

30 - 100 RMS

## Optical Properties

**Coating:**

Dielectric Mirror (400-750nm)

**Surface Quality:**

60-40

**Scan Angle (°):**

±25 (Mechanical) ±50 (Optical)

**Coating Specification:**

Ravg ≥98% @400 - 750nm

## Hardware & Interface Connectivity

**Power Requirement:**

24 - 48 VDC

**Operating System:**

Windows® 10

**Power Supply:**

Power Supply Required and Sold Separately.

USA: [#73-038](#)

Europe: [#73-038](#)

Japan: Not Available

Korea: Not Available

China: [#73-038](#)

## Environmental & Durability Factors

**Operating Temperature (°C):**

0 to +40

**Storage Temperature (°C):**

-40 to +85

## Regulatory Compliance

**RoHS 2015:**

[Compliant](#)

**Certificate of Conformance:**

[View](#)

**Reach 240:**

[Compliant](#)

## 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.