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Optotune 2D Mirror Base Unit MR-E-3

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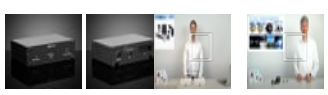

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Product Downloads

General

Note:
Includes a USB cable, mounting bracket for DIN rail, and a power supply with plug options for North America, Europe, the United Kingdom, Austrailia, and China

Physical & Mechanical Properties

Housing Diameter (mm):

45

Hardware & Interface Connectivity

Power Requirement:
24 - 48 VDC

Operating System:
Windows® 10

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.

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