

Optotune 2D Mirror Base Unit MR-E-3

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1

+

£892^{.50}

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SPECIFICATIONS

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, Australia, 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.