

Mirrorcle Technologies MEMS Mirrors – Device Prices for US Sales**

4-QUADRANT MEMS MIRRORS (BI-DIRECTIONAL TILT ON TWO-AXES):

Point-to-point or quasistatic two-axis MEMS mirrors with bi-directional tilt on each axis:

	Actuator series	Integrated 0.8, 1.2 mm	Integrated 1.6 mm	Integrated 2.0, 2.4mm	Bonded 0.8, 1.2 mm	Bonded 1.6 - 2.4 mm	Bonded 3.0, 3.6 mm	Bonded 4.2 mm	Bonded 5.0 mm
4.25mm Actuator	A1xx, A3xx	\$449.00	\$499.00	-	\$579.00	\$659.00	\$749.00	-	-
5.20mm Actuator	A7Mx, A7Bx	\$478.00	-	\$588.00	\$628.00	\$708.00	\$798.00	-	-
7.25mm Actuator	A5M24*, A8L1.1	-	-	*\$657.00	-	\$707.00	\$797.00	\$847.00	-
7.25mm Actuator	A8L2.2	-	-	-	-	-	\$886.00	\$936.00	\$1,026.00
7.25mm Actuator	A5L2.1	-	-	-	-	\$805.00	\$895.00	\$945.00	\$1,035.00

“Oversized” Quasistatic two-axis MEMS mirrors with bi-directional tilt on each axis:

	Actuator series	Package	Bonded 6.4mm	Bonded 7.5mm
7.25mm Actuator	A5L2.1	TINY48.4	\$1,395.00	\$1,495.00

Each MEMS mirror is delivered with a characterization report (datasheet) with ramp and step responses, overall scan look-up table, frequency response, and driving recommendations (MEMS Controller settings).

SINGLE-AXIS MEMS MIRRORS (BI-DIRECTIONAL TILT ON X-AXIS):

Most of the above 4-quadrant MEMS mirrors can be converted to become single-axis by mechanically restricting their Y-axis for prototyping and development purposes. There are a few designs specifically manufactured for single-axis quasistatic beam steering purposes both with integrated and bonded mirrors.

Point-to-point or quasistatic single-axis MEMS mirrors with bi-directional tilt on the X-axis:

	Actuator series	Package	Integrated 1.2 mm	Bonded E2800-E3100	Bonded 3.0, 3.6 mm	Bonded 4.2 mm
4.25mm Actuator	A1Q12.5	TINY20.4	\$499.00	-	-	-
5.2mm Actuator	A9S1.1, A9S2.1	TINY20.4	-	\$640.00	\$690.00	\$740.00

Resonant single-axis MEMS mirrors with bi-directional tilt on the X-axis.

	Actuator series	Integrated 0.8mm (21kHz)	Integrated 1.0mm (15kHz)	Integrated 1.2mm (12kHz)	Bonded 0.8 - 1.2 mm	Bonded 1.6 - 2.4 mm	Bonded 3.0, 3.6 mm	Bonded 4.2 mm	Bonded 5.0 mm
4.25mm Actuator	A1Rx	\$359.00	\$369.00	-	-	-	-	-	-
5.20mm Actuator	A9Rx	\$428.00	-	\$448.00	\$578.00	-	-	-	-
7.25mm Actuator	A5L2.1S	-	-	-	-	\$755.00	\$845.00	\$895.00	\$985.00

ADDITIONAL CONSIDERATIONS:

Minimum order value (MOV): **\$1,600**

The MOV does not apply within 1 year of [development kit](#) purchase. It is calculated by including all jointly purchased items such as MEMS devices, Controllers, Drivers, Mounts, etc.

ADD-ONS:

Above prices apply for orders of at least 2 units of any design. For a single unit of a design, additional tooling cost of \$70 is added (except for customers within 1 year of development kit purchase).

Prices apply for Aluminum coating – for Gold coating (not available for all products), **add \$50/device**.

For an optical characterization of the mirror on a 3D Optical Microscope and delivery of data, **add \$75/device**.

Orders below Minimum order value (MOV) may be approved with a processing fee of **\$150/order**.

Credit-card orders are welcome with an additional **3.5%** fee (4.0% for international orders).

See next page for discounts and additional information.

DISCOUNTS*:

Above prices apply for orders of 2-5 devices. Purchases of 6-10 devices of the same type receive 10% discount. Purchases of any devices by a group which has purchased a development kit within the previous 12 months will receive 8% discount.

Purchases from educational institutions such as universities will receive 10% discount (MOV must be met).

*Maximum of two discounts apply to any one purchase. Our sales team makes final determination of eligibility.

Estimated discounts for larger orders ([Contact us](#) for a customized quotation with additional discount)

1000 units per order – 45% reduction (bonded mirror), 50% reduction (integrated mirror)

10000 units per order – 70% reduction (bonded mirror), 75% reduction (integrated mirror)

Exact volume pricing depends on the device type, packaging, testing, and delivery requirements and other factors and will therefore be determined on a case by case basis in a formal quotation.

**All prices are US domestic list price FOB Richmond, CA.

This document was last updated on Nov. 11th, 2017. Prices and products are subject to change without prior notice. For the most up-to-date availability and pricing please [request an official quotation](#).

For Terms and Conditions of Sale of Mirrorcle Technologies Products, Product Life Time Cycles, Warranty and other Policies, please refer to our published [Terms and Conditions of Sale here](#) – and also available by email or mail upon request.