












Optical Mirror Mount Selection Guide

We know how important stability and repeatability are, both in the research environment and on the manufacturing floor. That's why our optomechanical components provide superior stability, high resolution, and precision adjustment capabilities. We offer a full line of optical [Mirror Mounts](#), from the economical to the most stable. We offer the thickest frame in its class for the highest stability. We also offer specialty mounts such as the Flipper™ mounts, the Opti-Claw™ mounts, prism mounts, and top mounts.

Selecting an Optical Mirror Mount

Precision Mirror Mount Series		Optic Diameters	Mechanism	Base Material	Special Features
	Precision Stainless Steel Mirror Mounts - SUPREMA Series	½, 1 in. (12.7, 25.4 mm)	Kinematic	Stainless Steel	High stiffness, low deflection during adjustment
	Ultra-Stable Top and Center Mirror Mounts - Stability™ Series	½, 1 in. (12.7, 25.4 mm)	Kinematic	Aluminum	Low-distortion optic retention, vacuum and clean nickel-plated versions
	High-Stability Steel Gimbal Mounts - SL Series	1, 2, 3, 4 in. (25.4, 50, 51, 76.2, 101.6 mm)	Gimbal	Steel	Highly stable steel design
	Clear-Base Precision Gimbal Mounts - SL-A Series	Variable: 3, 6, 8 in. (80, 150, 200 mm)	Gimbal	Steel	Round or square optics, thru-hole aperture in base of mount
High Performance Mirror Mount Series		Optic Diameters	Mechanism	Base Material	Special Features
	Standard and Pint-Sized Mirror Mounts - Classic Series	½, 1, (30 mm), 2 in. (12.7, 25.4, 50.8 mm), Platform	Kinematic	Aluminum	Sapphire seats, matched-thread adjusters
	High-performance Mirror and Platform Mounts - ULTIMA Series	½, 1, (30 mm), 2, 3 in. (12.7, 25.4, 50.8, 76.2 mm), Platform	Kinematic	Aluminum	Removable actuators
	Convertible Clear-Edge Mirror Mounts	½, 1 in. (12.7, 25.4 mm)	Kinematic	Aluminum	Clear edge, Left-hand / right-hand convertible
	Low-distortion Axial Clamping Kinematic Mounts - ULTIMA® AC Series	1, 2, 3, 4 in. (25.4, 50.8, 76.2, 101.6 mm)	Kinematic	Aluminum	Low distortion, 6-point mirror mounting
	Aperture-Thru Kinematic Gimbal Mirror Mount - ULTIMA® G Series	½, 1, 2 in. (12.7, 25.4, 50.8 mm)	Kinematic Gimbal	Aluminum	The only one-touch kinematic gimbal with thru-hole aperture
	Corner Gimbal Clear Quadrant Optic Mounts - ULTIMA® Series	1 in. (25.4)	Kinematic Gimbal	Aluminum	Clear quadrant gimbal mount with removable actuators
	Translating Kinematic Gimbal Mirror Mounts - 98xx Series	1, 2 in. (25.4, 50.8 mm)	Kinematic Gimbal	Aluminum	Gimbal positioning with z-axis translation

	Vertical-Drive Gimbal Optical Mounts - VGM Series	1, 2 in. (25.4, 50.8 mm)	Gimbal	Aluminum	Gimbal mount with top accessible actuators
	Heavy-Duty Configurable Optical Mounts - 600A Series	2, 4 in. (50.8, 101.6 mm)	Kinematic	Aluminum	Reconfigurable, table-top mounting
	Low-distortion Axial Clamping Gimbal Mirror Mount - 605 Series	2, 4 in. (50.8, 101.6 mm)	Gimbal	Aluminum	Full 360-degree adjustment in both axes
Standard Mirror Mount Series		Optic Diameters	Mechanism	Base Material	Special Features
	Standard Mirror and Platform Mounts - VIZIX™ / CenterPoint™ Series	1-in. (25.4 mm), Platform	Kinematic	Aluminum	Low cost and center-point mounts
	Rod Mounted Kinematic Mirror Mounts - 625 Series	2, 4, 6 in. (50.8, 101.6, 152.4)	Kinematic	Aluminum	For mounting to ø1.5-in. heavy duty rods
	Miniature Mirror and Platform Mounts - 987x Series	½ in. (12.7 mm), Platform	Kinematic	Stainless Steel	Off-the-shelf vacuum compatible
	Miniature Platform Mounts - Mini-P Series	Platform ½, ¾, 1 in. (12.7, 19.1, 25.4 mm) Square	Kinematic	Aluminum	Miniature and sub miniature kinematic platforms
	Vertical-Drive Kinematic Optical Mounts - HVM Series	½, 1 in. (12.7, 25.4 mm)	Kinematic	Aluminum	Table or post mounting, top accessible actuators
	Top Actuated Mirror Mounts - 977x Series	½, 1 in. (12.7, 25.4 mm)	Kinematic	Aluminum	Top or side accessible actuators
Industrial Mirror Mount Series		Optic Diameters	Mechanism	Base Material	Special Features
	Compact Stainless Steel Industrial Flexure Mounts - MFM Series	½, ¾, 1 in. (12.7, 19.1, 25.4 mm)	Flexure	Stainless Steel	Long term stability, compact size
	Commercial Optical Mounts	½, 1 in. (12.7, 25.4 mm)	Kinematic	Aluminum	Dual mounting holes, Sapphire seats
	Set-&-Lock Industrial Optic and Platform Mounts - PERFORMA™-i Series	½, 1, 2 in. (12.7, 25.4, 50.8 mm), Platform	Kinematic	Aluminum	Low cost, compact mounts for long term stability