

$\theta_x\theta_y$ axis | T50N81K13

Optical Mount with Piezo Linear Actuator



Characteristics >>

- Two-dimensional deflection motion
- Sub-micro-radian angular resolution
- Power-off self-locking
- Suitable for cage structure
- More flexible with motorized operation

Applications >>

- Stable adjustment in optical paths
- Long-term positioning
- Touch-free adjustment of hard-to-reach places
- Two-dimensional deflection adjustment of large mirrors, etc.

Introduction

The T50N81K13 piezoelectric mirror mount is specially designed for automatic angular deflection of large mirror. It has two linear actuation points for two-dimensional $\theta_x\theta_y$ deflection motion adjustment of the mirror.



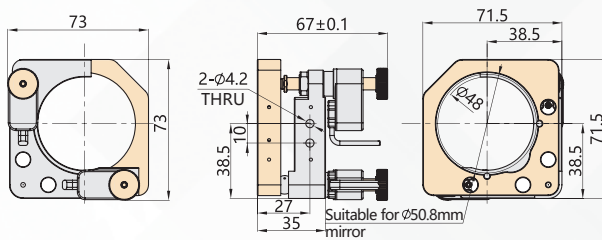
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Technical Data >>

Type	T50N81K13	Units
Type	Center mount	
Active axes	θ_x, θ_y	
Mirror diameter	50.8	mm
Motorized axes	2	pcs
Tilt range	± 5	$^\circ$
Angular resolution	0.7	μrad
Actuator	Piezo screw actuator	
Mass	285	$\text{g} \pm 5\%$
Operating temperature	10~40	$^\circ\text{C}$
Recommended controller	E53.C4K	
PZT connector	RJ11	

Drawing >>

Recommended Controllers >>


E53.C4K
 4 control interfaces, digital control
 USB and serial port communication



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