

Imatest Adjustable Motorized Gimbal

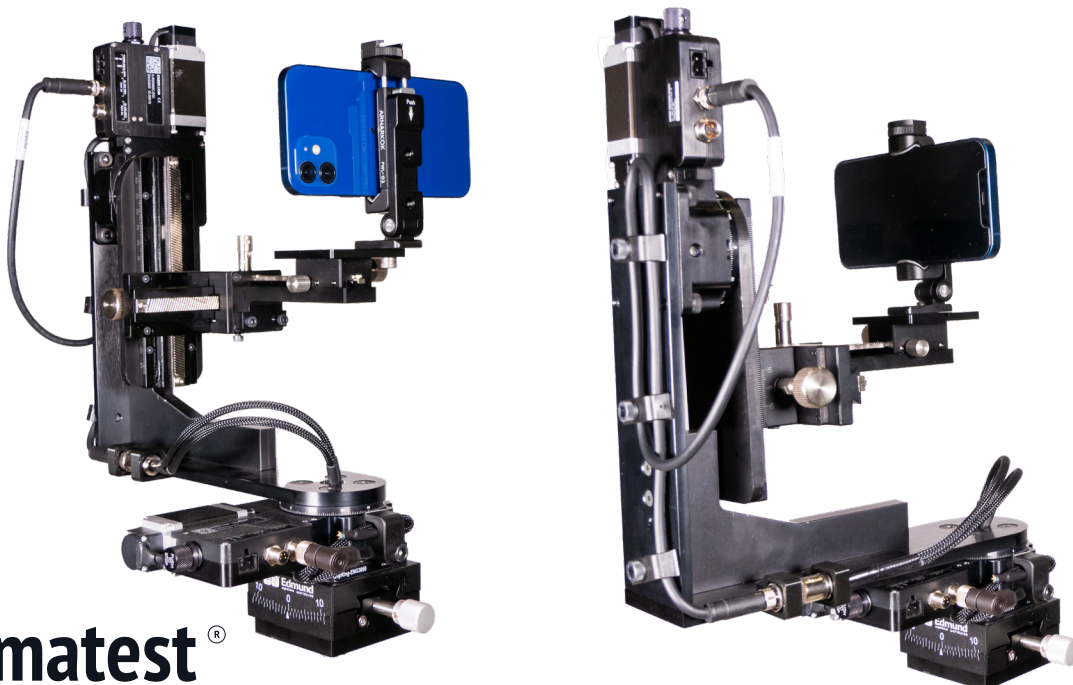
Automated rotational positioning for imaging systems

Why Choose the Imatest Adjustable Motorized Gimbal?

The motorized gimbal allows for automated rotational positioning of your camera. The Motorized Gimbal includes 2 axes of automated rotational positioning and one axis of manual rotational positioning. Create automated test plans with many camera “poses”. The adjustable motorized gimbal includes three axes of translational positioning, which allows you to quickly mount phones, dev boards, web cams, and more without the need for a dedicated device holder.

Imatest Adjustable Motorized Gimbal features

- ✓ Easily connect using USB 2.0 or serial communication ports and send commands over RS-232
- ✓ Zaber’s Console software makes it easy to control the speed and position of the target, change the device settings, and write custom scripts.
- ✓ Manual indexed knobs provide motorized motion control even without a computer.
- ✓ Three axes of translational positioning eliminates the need for a dedicated device holder
- ✓ Software, Python 3 - Zaber Motion Library, C++ Zaber Motion Library
- ✓ Includes alignment jig for placing the frontmost lens element at the center point of rotation





Imatest Adjustable Motorized Gimbal Specifications

Specifications	Details
Weight:	4.7 Kg (10.36 lbs)
Dimensions:	266.3 mm x 91.3 mm x 370.7 mm
Rotational Travel:	Rx: $\pm 10^\circ$ Ry: 360° Rz: 360°
Translational Travel	Tx: ± 30 mm Ty: ± 55 mm Tz: 80mm
Maximum Field of View:	VFOV: 158° HFOV: $>180^\circ$
Microstep Size (Default Resolution):	0.0009375 $^\circ$
Accuracy (unidirectional):	0.08 $^\circ$
Repeatability:	0.02 $^\circ$
Backlash:	0.04 $^\circ$
Maximum Speed:	450 $^\circ$ /s
Peak Thrust:	105 N \cdot cm
Operating Temperature Range:	0 to 50 $^\circ$ C
Maximum DUT Weight:	2.5Kg (5.5lbs)
Electrical:	Voltage: 100-240 V AC input Maximum Current Draw: 1.9 A

