

STEVE-6D

Automatically test the image stabilization of your camera

The Stabilization Evaluation Equipment (STEVE) uses six degrees of freedom to test the optical image stabilizers of your camera. This device can analyze the camera's response to a natural human hand tremor.

Main Features

- * Six degrees of freedom
- * Control software
- * Two different sizes
- * CIPA certified



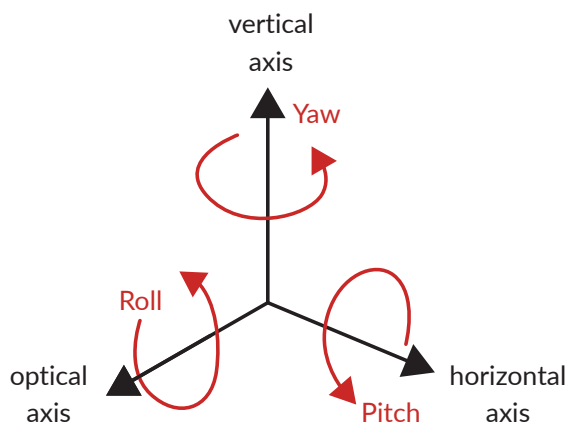
STEVE-6DS



STEVE-6DL

Related products and sizes

STEVE-6D comes in two different sizes, the STEVE-6DL and the STEVE-6DS. Also included is an iQ-Trigger/-T for timing accuracy. STEVE is best used in combination with the iQ-AF Box and the TE261, the slanted edge test chart.



Directions of movement

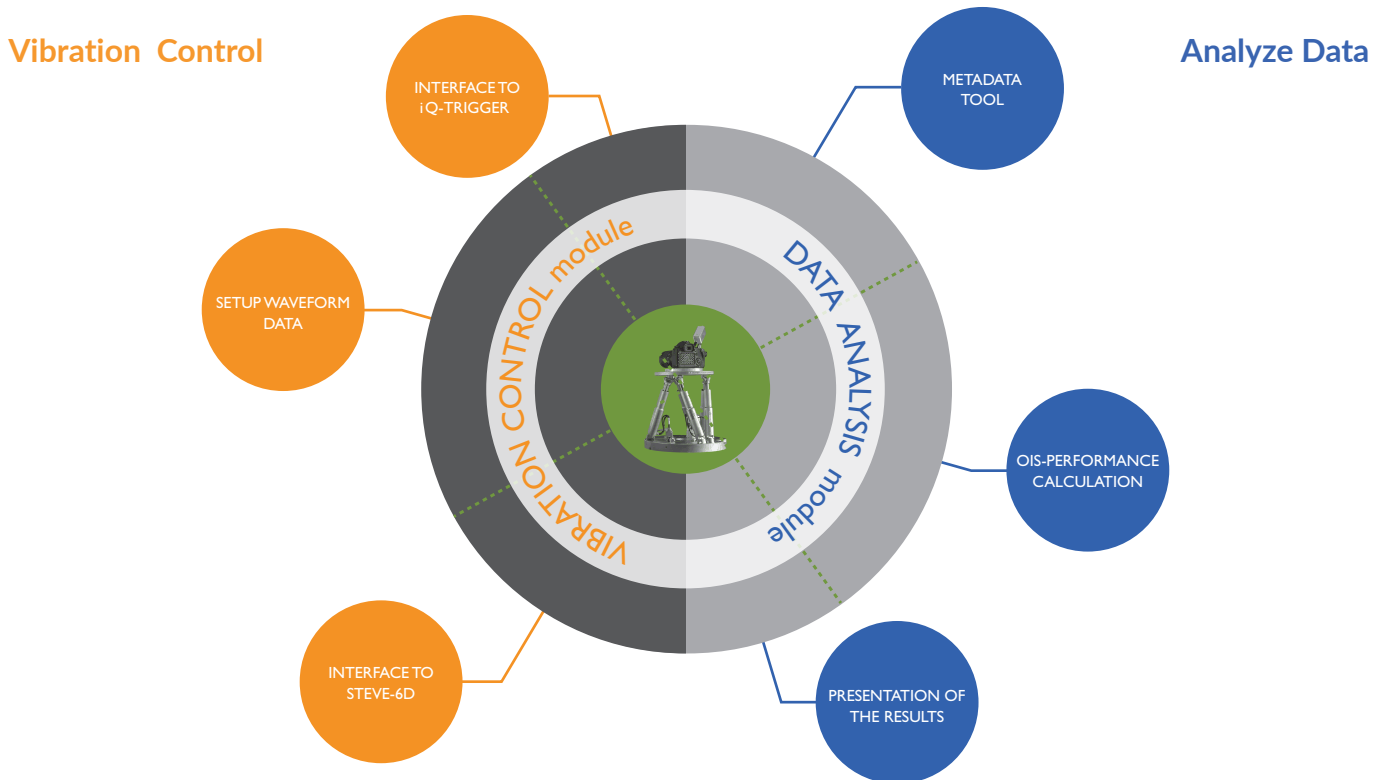


OIS test with the STEVE 6DL and the iQ-AF Box

STEVE-6D modules

The STEVE-6D software uses two modules: the vibration control module and the analyze data module. The vibration control is used to control the movement of the device. You can choose your pivot point and one of the three CIPA handshakes to set up your waveform data. It is also possible to use sinusoidal motion or to upload custom waveforms with Cartesian coordinates.

The analyze data module calculates the image stabilization performance using a metadata tool. The stabilization results can be displayed in f-stops. The edge spread function (ESF) and spatial frequency response (SFR) will also be displayed.



At a Glance	STEVE-6DS	STEVE-6DL
Max. camera weight	2.5 kg	6.0 kg
Pivot point	Customizable	Customizable
Translation range (X / Y / Z)	$\pm 17, \pm 16, \pm 6.5$ mm	$\pm 50, \pm 50, \pm 25$ mm
Rotation range (X / Y / Z)	$\pm 10, \pm 10, \pm 21^\circ$	$\pm 15, \pm 15, \pm 30^\circ$
Max. linear velocity (X / Y / Z)	25 mm/s	50 mm/s
Max. angular velocity (X / Y / Z)	325 mrad/s	600 mrad/s
Single-actuator design resolution	80 nm	500 nm
Motion type	6-axis sine generator or custom waveform	6-axis sine generator or custom waveform
Mean position error	< 3%	< 3%
Standard accessories	Motion controller C-887, iQ-Trigger, iQ-Mobilemount	Motion controller C-887, iQ-Trigger, iQ-Mobilemount
Optional accessories	iQ-Trigger/-T, iQ-AF Box, TE261, Honeycomb Breadboard, iQ-Anchor for STEVE	iQ-Trigger/-T, iQ-AF Box, TE261, Honeycomb Breadboard, iQ-Anchor for STEVE