

# 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 natural human hand tremor.

### Main Features

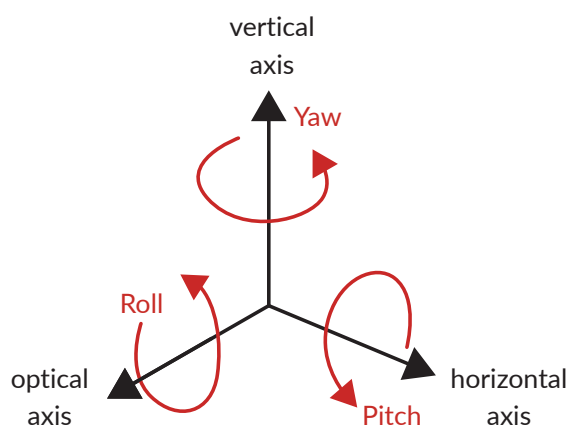
- \* Six degrees of freedom
- \* Control software
- \* CIPA certified



STEVE-6DL

### ISO 20954

ISO 20954 describes a camera measurement procedure with manual control and optical image stabilization. The CIPA handshaking profiles determined for lightweight, mid-weight, and heavy-weight cameras are used depending on which camera is tested. The TC42 WG18 is now working on an annex to the standard to describe how different applications can be generated and applied.\*



Directions of movement



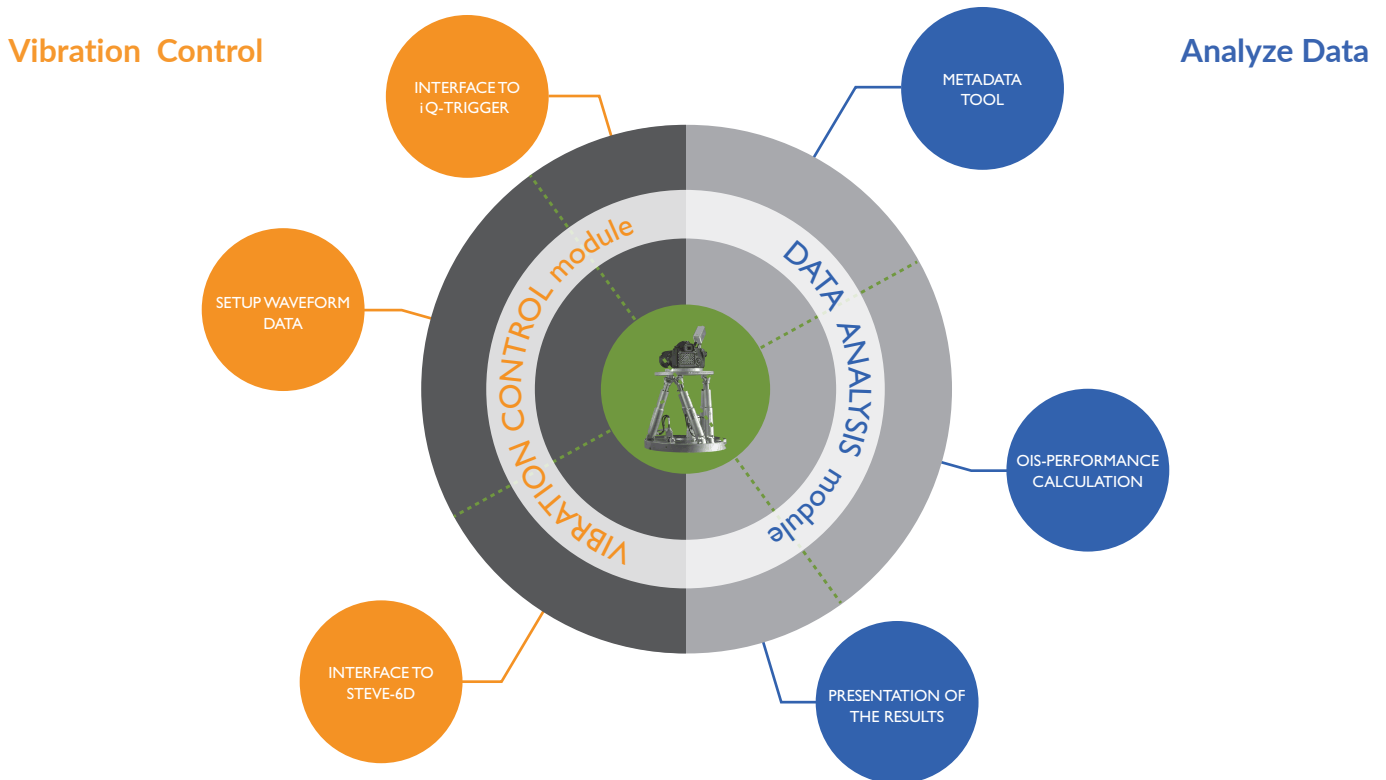
OIS test with the STEVE 6DL and the iQ-AF Box

\*Check out this blog article for more details: <https://image-engineering.de/library/blog/articles/1215-measuring-camera-shaking>

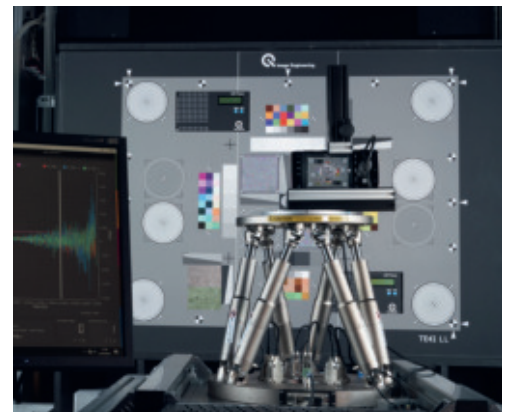
## STEVE-6D modules

The STEVE-6D software uses two modules: the vibration control module and the data analysis 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-6DL
Max. camera weight	6.0 kg (CIPA certified)
Pivot point	Customizable
Travel range (X / Y / Z)	$\pm 50$ mm, $\pm 50$ mm, $\pm 25$ mm
Rotation range (X / Y / Z)	$\pm 15^\circ$ , $\pm 15^\circ$ , $\pm 30^\circ$
Max. linear velocity (X / Y / Z)	50 mm/s
Max. angular velocity (X / Y / Z)	600 mrad/s
Single-actuator design resolution	0.5 $\mu$ m
Motion type	6-axis sine generator or custom waveform
Mean position error	< 3%
Standard accessories	Motion controller C-887, iQ-Trigger, iQ-Mobilemount
Optional accessories	iQ-Trigger/-T, iQ-AF Box, TE261, Honeycomb Breadboard, iQ-Anchor for STEVE



OIS test with the STEVE 6DL and the TE42-LL-Timing