



MovieBird Motion Platform

The MovieBird Motion Platform provides a full motion control solution for the film, TV, and creative industries. With its 6 degrees of freedom and up to 2500kg of payload, you have limitless possibilities for shooting action scenes involving land, sea, and air vehicles. Create breathtaking special effects in AR, XR, and green screen environments with realistic vehicle motion.

With our intuitive 4-axis gyroscopic hand controller, you will create precise dynamic movements for any action sequence you can imagine.



KINETIC PARAMETERS

Rotational movement:

Longitudinal axis (ROLL):

Maximum swing: $\pm 20^\circ$

Maximum angular speed: $30^\circ/\text{s}$

Maximum angular acceleration : $\pm 200^\circ/\text{s}^2$

Lateral axis (PITCH):

Maximum swing: $\pm 21^\circ$

Maximum angular speed: $30^\circ/\text{sek}$

Maximum angular acceleration : $\pm 200^\circ/\text{s}^2$

Vertical axis (YAW):

Maximum swing: $\pm 23^\circ$

Maximum angular speed: $30^\circ/\text{s}$

Maximum angular acceleration : $\pm 200^\circ/\text{s}$

Translational movement:

Longitudinal axis:

The maximum length of the movement: ± 240 [mm]

Maximum speed of linear motion: 300 [mm/s]

Maximum linear acceleration: $4 \text{ m}/\text{sek}^2$

Lateral axis:

The maximum length of the movement: ± 230 [mm]

Maximum speed of linear motion: 300 [mm/s]

Maximum linear acceleration: $4 \text{ m}/\text{s}^2$

Vertical axis:

The maximum length of the movement: ± 205 [mm]

Maximum speed of linear motion: 300 [mm/s]

Maximum linear acceleration: $4 \text{ m}/\text{s}^2$

**Stewart platform with 6 axes of freedom
and carrying capacity 2500 kg**



MECHANICAL PARAMETERS

Architecture: 6 Degrees of Freedom

Actuation: Fully Electric

Payload: 2500 kg

Dimensions: 2779 mm x 2488 mm

Minimum Height: 850 mm

