



# VR-MOTION 200.

## Your innovative Virtual Reality Solution with Dynamic Motion.

The BRUNNER VR-Motion 200 Platform combines State-of-the-Art Virtual Reality technology with powerful dynamic motion enriched Virtual Training environments. The powerful combination of talent and competence between VRMotion, the University of Rapperswil (HSR) and BRUNNER creates powerful and affordable simulation solutions for applications like aircraft, military ground vehicle or racing car simulators. Other application areas like entertainment or test benches for research and development can be supported as well.

The unique single frame precision motion compensation in combination with the HTC Vive glasses allows a perfect VR immersion. The highly advanced and latency-free Motion Cueing Algorithms with in-ear-simulation generates best Motion Experience.

The powerful VRMotion Software Environment allows easy integration and configuration for a multitude of simulation packages and platforms.

The external communication with the simulator interface is done over Gigabit Ethernet. A powerful Motion Configuration tool is used for adjusting the Simulation Profiles and other parameters.

Beside the VR Application, the 6DOF platform is very flexible and can easily be equipped with a cockpit and screen frame offering further advanced training capabilities.



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## Features.

- VRMotion highly advanced Motion Cueing Algorithms using perception modeling and unique single frame precision motion compensation to generate best Motion Experience
- Powerful VRMotion Software Package for easy integration with various Simulation Environments using plugin architecture
- Fully customizable and easy integration of a multitude of applications (Flight Simulation, Driving-/Racing-Simulation, Motion TV)
- Safety certified high-speed control unit to leverage the full performance of the motion system
- Control Unit, hosting a high-performance PC which is running the intelligent motion platform server
- Application Interface via Gigabit Ethernet
- Cost efficient Systems Design, ensuring maximum durability and lowest life-cycle-costs
- Easy and fast installation and integration process
- Compact size and single phase mains power
- Swiss Made
- 2 Years warranty

## Specification.

<b>Heave</b> (disp/vel/accel.)	$\pm 175$ mm, $\pm 690$ mm/s
<b>Pitch</b> (disp/vel/accel.)	$\pm 33^\circ$ , $\pm 125^\circ$ /s
<b>Roll</b> (disp/vel/accel.)	$\pm 32^\circ$ , $\pm 110^\circ$ /s
<b>Yaw</b> (disp/vel/accel.)	$\pm 31^\circ$ , $\pm 150^\circ$ /s
<b>Surge</b> (disp/vel/accel.)	$\pm 250$ mm, $\pm 1200$ mm/s
<b>Sway</b> (disp/vel/accel.)	$\pm 270$ mm, $\pm 1300$ mm/s

<b>Payload max</b>	200kg 6dof Motion 100kg Pilot Seat (150-255VAC) (external Transformer 110VDC > 230VAC is recommended, not included)
<b>Connection Type</b>	10/100/1000BASE-T Gigabit Ethernet
<b>System Weight</b>	400 kg / 882 lbs (incl. cockpit)

## Dimensions.

