

# BRUNNER

dedication + innovation

NOVASIM VR | MR  
simulation | immersion | training

XPLANE11

PREPAR3D®

DCS  
WORLD

VBS4

VBS  
BLUE IG

Microsoft  
Flight  
Simulator

FlightSafety  
International



## IN A NUTSHELL



BRUNNER NOVASIM VR|MR combines State-of-the-Art Virtual and Mixed Reality technologies with powerful dynamic motion enriched Virtual Training environments.

NOVASIM VR|MR offers innovative training capabilities for a wide range of applications, like aircraft, military ground vehicle, racing car or even boats (air, land, sea). Combining most-advanced VR technologies and a unique motion compensation algorithm with highly advanced and latency-free motion cueing algorithms allows every NOVASIM VR|MR user to experience an incredible immersion and training effect.

The simulator is a fully integrated solution, with power electronics and controls seamlessly integrated into the base-frame, following BRUNNER's Plug-and-Play approach.

Beside the VR Application, the 6DoF platform is very flexible and can easily be customized according to customers' needs, e.g. a small cockpit configuration or screen frame offering further advanced training capabilities.

## INTEGRATION WITH SIMULATION SOFTWARE.

NOVASIM VR|MR communication with the external environment is handled via an UDP network protocol and Gigabit Ethernet. A powerful and intuitive motion configuration application is used for setup, motion profile creation and operations control.

NOVASIM VR|MR allows easy integration and configuration for a multitude of simulation packages and platforms. Configured for general aviation training, the combination of X-Plane 11 Simulation Software and FS-FlightControl IOS allows the intuitive and integrated control and monitoring of a full training session via a single tablet-PC.

NOVASIM VR|MR offers an open and software agnostic architecture and allows easy configuration for a wide range of commercial simulation products, satisfying the applications and training use-cases the best way possible.

The spectrum of software products supported by NOVASIM VR|MR covers X-Plane 11 or Prepar3D with FS-FlightControl, VBS4/VBS-IG, ProSim, DCS World and FlightSafety MR.

BRUNNER NOVASIM VR|MR is fully interoperable with the leading edge HMD products on the market.



## SIMULATOR CONFIGURATIONS.

### JET



F/A-18, Eurofighter, PC21, others

### HELI



AH-64 Apache, EC-135, Robinson, others

### GA



A320, DA42, Cessna 172, others

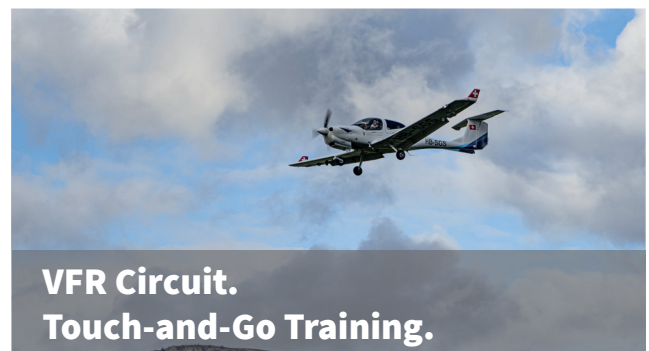


## FEATURES AND ADVANTAGES.

NOVASIM VR|MR is a modular simulation platform that offers a perfect fit to a vast range of platforms, use-cases and applications. It offers the following features and advantages:

- BRUNNER VR technologies and motion compensation algorithm with highly advanced and latency-free motion cueing algorithms to generate full immersion and best training value
- Platform can be configured for Jet, Heli and General Aviation, but also serves for ground or sea applications
- Easy integration of different instrumentations, platform specific controls and interactive panels
- Ready to operate with BRUNNER portfolio of drop-in dynamic Control-Loading Systems
- Fast integration with commercial or proprietary simulation software via BRUNNER configuration tools
- Supports stand-alone training as well as networked training sessions
- Virtual Reality technology enables full immersion, 360° view, perfect visual reference and true look-down capability
- Enables special operations training, mission rehearsal, team training and pilot screening/selection
- Easy to install, no special infrastructure requirements, deployable
- Very compact footprint, versatile and affordable, with lowest life-cycle-costs
- Swiss Made, 2 Years warranty

## USE-CASES.



## BRUNNER ELEKTRONIK AG

**Development, production and customer services at the highest level: this describes the business activities of BRUNNER Elektronik AG and our motivation to convince every customer with individualized controls, drives and components. Also, we are proud of supporting our customers with complex integrated solutions and our own innovative and strong simulation product portfolio.**

As a modern family-owned technology company we are a powerful and reliable partner of numerous companies in different industries and markets for more than 40 years now. Our ability to handle all corporate core processes, from development to production and customer support, fully in-house creates sustainable advantages for our customers and partners: short response times, high flexibility and an integral understanding of quality. Our engaged and highly qualified employees share our enthusiasm for working for our customers, take over responsibility and live the values of team spirit and fairness.

**We pay attention to the environment and the ecological use of resources.**

