Safely training in dangerous virtual environment

Virtusphere

Virtusphere, Inc. develops and markets simulation training technology for dismounted users. Virtusphere has created life-like locomotion inside a virtual environment. The Virtusphere product enables six degrees of freedom — user can move in any direction; walk, jump, and run over virtually unlimited distances without encountering real-world physical obstacles.

The Virtusphere is a new simulation platform for safely training practical skills of users preparing for dangerous environments. The patented method and system provides infinite space for the most immersive virtual experience and can be a cost effective tool for military and law en-forcement, fire safety, counter terrorism, secu-rity, nuclear power stations and petrochemical plants operators training.

"The HIT Lab has been looking at omnidirectional interfaces for some time, and we are convinced that Virtusphere has developed the most ele-gant and effective solution for navigating within virtual environments."
-DR. SUZANNE WEGHORST,

Assistant Director of Research, University of Washington, Human Interface Technology Laboratory

The main applications of Vir-tusphere technology are individual training, team training, and mission rehearsal.

Virtusphere compatible with VBS2 and can be compatible with any 3D application for training.

Virtusphere can be used also for educational, research, medical and other institutions.

HOW VIRTUSPHERE WORKS

The Virtusphere set consists of a 10-foot hollow Sphere, which is placed on a special wheel platform that allows the Sphere to rotate freely in any direction according to the user's steps. Wearing a head-mounted display the user is able to walk and run, completely immersed into their virtual environment. Every movement by the user is replicated within the virtual environment. The same hard-ware set can be used for different applications by changing only the software.

SPECIFICATIONS

Diameter of Sphere	10 feet
Space requirement	100 square feet
Weight of Polycarbonate plastic Sphere	500 Lb
Users weight limitation	250 LB
Head-mounted display (HMD) resolution	1280x720, horizontal FOV 45°
Sensors	Two 6DOF sensors on HMD and Gun, movement sensor under the Sphere
Software	Virtual Game Controller (VGC) for compatibility of Virtusphere with customers 3D applications.
Virtusphere assembly time	2 men for 4-5 hours
Transportation	Can be transported in minivan

Virtusphere, Inc.
Is committed to
providing solutions
for end users,
applications
developers
and integrators

VIRTUSPHERE SETS

BASE SPHERE:
- Sphere;
- Wheel platform;
- Rolling Bar.

VIRTUSPHERE SIMULATOR:
- Base Sphere;
- Computer;
- Head Mounted Display with 6DOF sensor;
- Movement sensor;
- Gun with 6DOF sensor;
- Virtual game controller (VGC)

ADDITIONAL OPTIONS

Wide range HMDs and 3DOF sensors;
Professional installation of Virtusphere;
Customization of Virtusphere for the special needs of client;
Adaptation of customers 3D application for Virtusphere;
Virtusphere for rent, Virtusphere service for events.

For price and availability of Virtusphere please send request to our e-mail: info@virtusphere.com.

Virtusphere

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