

## PPT Motion Tracking

PPT Precision Position Tracking brings warehouse-scale tracking to any VR headset or projection system. Ideal for demanding applications that require high accuracy, fast movement, multi-user collaboration, and co-presence.

- Connect natively to VR engines including Vizard, Unreal, and Unity
- Capture up to 10 people or objects simultaneously across spaces ranging from 3 x 3 meters to more than 50 x 50 meters
- Enjoy 240Hz position data capture speed, extremely low latency, high-precision, and sub-millimeter accuracy

## PPT Core Features

As a real-time system, PPT provides robust tracking for virtual reality. Fully wireless targets can be easily attached anywhere on an user or to external props.

PPT is ideally suited for real-time applications such as head- and hand tracking for interactive immersive virtual reality applications using head-mounted displays or shutter glasses.

**Wide-area Walking:** Active infrared LED technology gives you convenient tracking targets - each with a distinct ID - that can be mounted on any object, and your cameras recognize each target even at large distances.

**Unreal, Unity, Vizard – Render Engine Support:** Native engine integration speeds application development with accompanying sample projects to provide starting points.

**Optical and Inertial Hybrid System:** The combination of optical and inertial sensor technologies, integrated with intelligent sensor fusion, has a proven track record for delivering accurate, smooth, and extremely low-latency tracking for demanding VR applications.

**Integrated Wand Controller:** Our unique wand design provides a lifelike, ergonomic experience and smooth interaction. Easily integrate and customize it into your own applications.



WorldViz PPT cameras enable sub-millimeter precision tracking within large, walkable spaces.



PPT integration with Unreal Engine 4.

## Why VR?

Virtual reality is revolutionizing how we interact with information. Save time while improving communication between designers, engineers, and management teams. WorldViz technology solves problems across a wide range of industries with applications ranging from design visualization and industrial training to interactive education and scientific research.

# Advanced Features

**High Frame rate (240Hz) and Low Latency:** delivers responsive head and hand tracking and provides high sample density needed for data analysis. Low latency means less motion sickness, higher sense of presence, and higher immersion.

**Compatible With Wide Variety of VR Headsets and Shutter Glasses:**

Specially designed, patented peripherals that can be attached/detached in seconds guaranteeing high flexibility and scalability, no matter how demanding your application.

**Fast and Easy Calibration Process:** User friendly, time saving setup makes for rapid deployment anytime and anywhere

**Chainable Calibration:** Allows tracking of asymmetrical spaces, flexible setup, and expandable/upgradeable tracking area.



## PPT Included in VizMove Systems:

These VizMove systems include PPT and everything you need to create and experience interactive virtual reality applications. Select the VizMove system that's right for you:

### Standing VR Precision Tracking

- Lenovo ThinkStation
- Vizard software
- Virtual reality headset
- 2 sensor PPT motion tracking system, PPT Wand
- Trackable area of approx. 10m<sup>2</sup>\*
- (Optional) Laptop plus travel cases

\* Tracking area is dependent on ceiling height and other environmental factors

### Walking VR Wide-area Motion Tracking

- Lenovo ThinkStation
- Vizard software
- Virtual reality headset
- 4 sensor PPT motion tracking system, PPT Wand
- Trackable area of approx. 50m<sup>2</sup>\*
- (Optional) Laptop plus travel cases

\* Tracking area is dependent on ceiling height and other environmental factors

### Projection VR Team Collaboration

- Lenovo ThinkStation
- Vizard software
- 3D projectors
- 4 sensor PPT motion tracking system, PPT Wand
- Trackable area of approx. 20m<sup>2</sup>\*
- Stereoscopic multi-user viewing experience

\* Tracking area is dependent on ceiling height and other environmental factors

## About WorldViz

WorldViz is the industry leader in immersion-ready virtual reality (VR) solutions. WorldViz's patent-pending interactive visualization and simulation technologies are deployed across 1500+ Fortune 500 companies, academic institutions and government agencies. WorldViz's core products are Vizard, the premier development platform for professional VR application design, and VizMove, the world's only enterprise-class VR software and hardware solution. WorldViz also offers PPT, a high-precision wide-area motion tracking system, as well as professional consulting and content creation services. WorldViz technology enables users to replace physical processes with immersive virtual methods. Applications range from design visualization and industrial training to interactive education and scientific research.

