



Precision Position Tracker

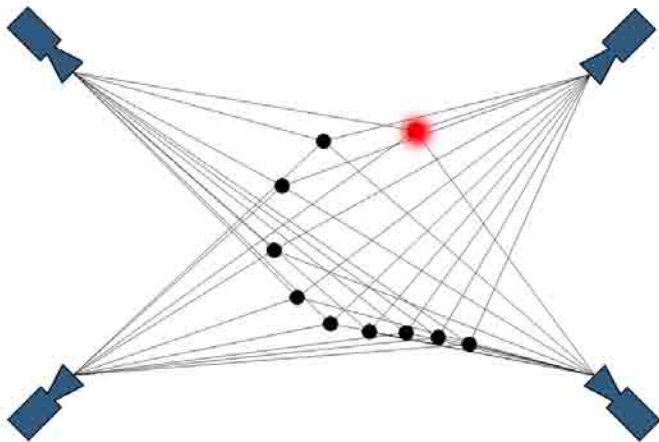


Wide area Low cost solution

What is PPT?

PPT tracks large areas while maintaining high-precision and accuracy. It presents excellent value for the real-time demands of immersive virtual reality applications. When combined with a recommended orientation tracker, PPT provides a full 6DOF tracking solution at a very competitive price.

- **10 x 10 meter wide area tracking**
- **Instant calibration**
- **Fully wireless targets**
- **Up to 4 optical sensors**
- **Sub-millimeter precision**
- **Full 3DOF position tracking**
- **Less than 20 millisecond latency**
- **Easy installation**
- **Resilience to metallic interference**
- **Competitive price**



SPECIFICATIONS

Degrees of freedom: 3 (X, Y, Z translation)

Tracking range: 10 x 10 x 10 meter

Number of targets: Up to four independent 3DOF bodies

Precision: < 1 millimeter over 3 x 3 x 3 m volume; optical sensor is 1:20,000 arc at 75% rms

Accuracy: < 0.5 centimeter over 3 x 3 x 3 m volume

Calibration: 3 minute process using digital calibration board

Update rate: 60 Hz

Minimum latency: 18 milliseconds

Interface: RS-232, 115.2 kbs, streamed or polled

Ambient conditions: Indoor fluorescent only

Size & weight

Processor: 20 x 36 x 26 cm (6 kg)

Sensors: 7 x 3 x 5 cm (400 g)

Target: 3 x 3 x 5 mm (2 g)

Software support: Directly connect to WorldViz Vizard VR toolkit; dll for Windows; C source library for Linux



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