

SeerController® 6DoF Self-Tracking Controller

A New Dimension of Spatial Interaction

REVOLUTIONARY



Self-Tracking

Low-latency
stable pose tracking

6DoF Control

Complete Freedom of Movement
by VSLAM

Broad Compatibility

Supports multiple OS and communication
protocols



2.4G

SeerController®

6DoF Self-Tracking Controller

Product Components



SeerController®



SeerController® SDK

System Specification

Item	Specification	Notes
Processor	High-performance SOC	8 Core
Memory	64GB+4GB	EMMC+LPDDR
Operating Principle	6DoF Visual SLAM	Inside-out self-tracking
Sensors		
-Fisheye Camera	640*480*2, DFOV160°	Monochrome, global shutter
-IMU	6 Axis 1000Hz	
-Fisheye Camera	LRA	
Tracking Accuracy	Millimeter-level (repeatability)	
Tracking Accuracy	<15ms	Supports Pose Prediction
Tracking Speed	2m/sec motion state	6DoF
Relocalization Time	<1sec	Assumes temporary loss of tracking
Operating Modes	Map / Non-map mode	Supports synchronized registration with HMD
Control Range	<8 m from host	Or independent operation unlimited
Connectivity	Bluetooth 2.4G	Bluetooth 2.4G(selectable)
Buttons	Power,Calibration,Joystick, A/B	Trigger
Power Consumption	<1.8w (low-power mode<1.2w)	Internal Battery
Weight Size	<215g 150*70.5*36	L*W*D(mm)
Weight Size	Windows Linux Android	



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