

InterSense IS-900 MiniTrax Devices



Features

- Inertial/Ultrasonic 6-DOF Tracking
- Adjustable precision & sensitivity filters
- Up to 50 millisecond prediction
- Advanced inertial MEMs components
- Miniaturized ultrasonic receiver technology
- Compatible with all IS-900 Systems
- Standard cable length 12.2 m (40 ft.)

Options

- Cables can be extended to 18.3 m (60 ft.)
- Wireless connectivity to IS-900 Processor
 - 2.4 GHz spread spectrum
 - Rechargeable Li-Ion battery provides 6 hours continuous use
 - Approved in US, Canada & Europe
- OEM kits with I²C device interface

MiniTrax Wand

- Five buttons with sixth button in center-click joystick
- Wired or wireless versions
- Wireless with integrated radio and rechargeable battery
- Four receiver microphones placed for full 360° tracking



MiniTrax Head Trackers

- Standard or high accuracy version for augmented applications
- Wired version is plug compatible with wireless upgrade
- Lightweight and durable
- Designed to fit standard stereo glasses & head mounted displays



MiniTrax Hand Trackers

- Right and left hand versions
- Wired version is plug compatible with wireless upgrade
- Designed to ergonomically interface to all data gloves
- Four receiver microphones placed for full 360° tracking



MiniTrax Device Specifications

Device	Wand	Hand Tracker	Standard Head Tracker	High Accuracy Head Tracker
Resolution (RMS)				
Position (X/Y/Z)	0.75 mm	0.75 mm	0.75 mm	0.75 mm
Angular (P/R/Y)	0.05°	0.05°	0.05°	0.05°
Wireless Position	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Wireless Angular	0.10°	0.10°	0.10°	0.10°
Static Accuracy				
Position	2.0 - 3.0 mm	2.0 - 3.0 mm	2.0 - 3.0 mm	2.0 - 3.0 mm
Angular (P/R, Y)	0.25°, 0.50°	0.25°, 0.50°	0.25°, 0.50°	0.25°, 0.25°
Wireless Position	3.0 - 5.0 mm	3.0 - 5.0 mm	3.0 - 5.0 mm	3.0 - 5.0 mm
Wireless Angular	0.50°, 1.00°	0.50°, 1.00°	0.50°, 1.00°	0.50°, 0.50°
Size (W x L x H)	10.0 x 17.0 x 5.5 cms	10.0 x 8.0 x 4.4 cms	9.4 x 2.7 x 2.7 cms	20.5 x 3.0 x 2.7 cms
Weight	140 gms (wired) 220 gms (wireless)	44 gms	23 gms	38 gms

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