

Wireless Motion Tracking to the Nearest Millimeter

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Overview

- What We Do Precision motion tracking
- Applications Numerous
- Market Opportunity Significant
- How it Works
- Experience
- Summary / Benefits
- Demo Virtual Reality Immersion



IndoTraq — Motion tracking to the nearest Millimeter

IndoTraq has developed the fastest and most precise wireless motion tracking system.

- Tracking system provides sub 5mm precision at an update rate of 150 Hz (6ms latency)
- Signal penetrates obstacles and walls unlike vision systems
- Indoor range 100m / Outdoor range 200m
- Wireless UWB technology (3 to 10 GHz)
- High bandwidth / Channel capacity
- Auto configuration / Portable
- 70 mA power at 3.3V
- Positioning data made available via USB, Bluetooth, and WIFI

Multiple Patents Pending



Applications: What could you do with motion precision to the nearest mm

Virtual Reality / Augmented Reality

- Mobile Games full immersion, walk around freely
- Training simulations: Military, Sports, High risk activities
- Gesture / Motion tracking

Consumer Engagement

- Virtual Shopping / Showrooms (Car) / Dealerships
- Virtual Events / Advertising

Entertainment and Production

- Motion capture and tracking, immersive content
- Automation of lighting and cameras

Athlete Tracking and Analytics Technology

- Training simulation, wearable tracking technology
- Performance capture, monitoring and analysis
- Track player health and safety









Applications: What could you do with motion precision to the nearest mm

Autonomous Drones

- Automation using high precision 3D positioning
- Video capture; Air delivery; Analytics



- Home robots, IoT
- Wearables
 - Activity Trackers
 - Wearable monitoring Medical / Safety
- Healthcare Hospitals
 - Real time asset, Patient, Staff Tracking
 - Work flow analysis and management
- Motion / Position Based Analytics
 - Real time work flow analysis, Deep Learning
 - Generate actionable information and insight *Confidential*











Market Opportunity - Significant

- AR / VR market to reach \$150bn by 2020 (Digital capital)
- Worldwide wearable market forecast to reach 126.1 million Units in 2019 (IDC)
 - Smart wearable market to generate \$53bn hardware revenues by 2019 (Juniper)
- Drones market potential \$100+ billion (Goldman Sachs, PWC)
- Remote Monitoring to reach \$26.4bn by 2018 (Berg Insight)
 - 19 million will use remote patient monitoring by 2018
- Smart Homes Market worth \$58.68 Billion by 2020 (MarketandMarkets)
- Location based services market to reach \$43.3bn by 2019 (Juniper Research)
- 250 Million Connected Cars by 2020 Worldwide (Gartner)
- Internet of Things market to reach \$1.7 Trillion by 2020 (IDC)



Experience



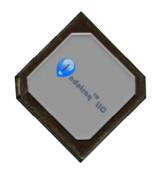
Michael Hamilton Founder / CTO

- 25 yr building embedded electronics and robotic systems
- Extensive experience with motion tracking and control
- Able to take idea from concept to final product
- 3D Design / Injection molding
- PCB Design / Manufacturing (0.5mm BGA, 0.4mm QFN)
- Low cost component sourcing / assembly
- 22 programming languages
- 16 years experience in Electrical & Chemical Engineering managing high profile industrial automation projects



Summary / Benefits

- Wireless motion tracking < 5 mm
 - Minimum latency (6 ms)
 - Small device (<1" x 1")
 - Cost effective
 - Portable
 - Auto configuration
- Works where GPS can't
 - Indoors (penetrates obstacles and walls)
- Location / motion based analytics
 - Generate actionable information and insight
- Allows the development of new products and services
 - VR (games, showrooms, event), AR, Robotics, Drones, etc.
- Significant Market opportunity
- Proven Team







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