



***DIGITAL META PTE. LTD***



## I-Meta Heavy-Duty Spoofing



The I-Meta Heavy-Duty Spoofing uses advanced satellite navigation simulation to quickly control a drone's navigation system. Key features include:

- Rapid Initialization:** Fast setup and automatic north calibration.
- High Accuracy:** Precise navigation signal simulation.
- Versatile Control:** Multiple control modes and automatic tracking.
- Portability:** Easy to use and transport.



## Key Features:

- Long Working Distance:**  
Directional transmission up to 10 km; omnidirectional up to 5 km.
- Compact Size:**  
Single board supports three frequency points (upgradable to four) with high integration.
- Automatic North Calibration:**  
Precise calibration unaffected by GPS interference.
- High Simulation Accuracy:**  
Synchronization accuracy up to 5 ns.
- Automatic Tracking:**  
Aligns with target based on guidance information.
- Capture Function:**  
Captures drones with <50 meter accuracy in mid-air.

# System Characteristics

System Characteristics	Details
Signal Frequency Points	GPS/L1 (1575.42MHz), L2 (1227.60 MHz), BDS/B1I (1561.098MHz), GLONASS/R1 (1602MHz)
Output Power and Deception Distance	10dBm (>1km), 30dBm (>5km), 40dBm (>10km), 47dBm (>20km)
Effective Time	Less than 1.5 seconds (with target guidance)
Signal Coverage	Horizontal 0-360°, elevation -60° to +60°
Automatic North-Calibration	Calibration accuracy of less than 2 degrees
Drone Repulsion	Repels typical civilian drones with customizable repulsion angles
Drone Forced Landing	Forces typical civilian drones to land
Automatic tracking	Automatically tracks the target when position or direction format is available
Capture Function	Captures typical civilian drones with target position guidance from radar, optical, or other detection devices
Navigation interference	Interferes with the navigation of typical civilian drones
Initialization Time	5 minutes
Quick Setup	Setup time less than 15 minutes
Timing Simulation Accuracy	Less than 20ns
Support for Upper Computer Operator	Yes
Power Supply	220V AC mains
Power Consumption	Peak <150W, average <60W
Weight	Main unit + gimbal less than 25kg