

SmartTracker

The SmartTracker enables you to collect integrated GPS, IMU and video data all in one unique, compact package. It records IMU data at a rate of 100 Hz. Plus, you get better than a millisecond accuracy video time stamp.

Key Features

- Right-hand coordinate system
- GPS based global position and velocity
- 640 x 480 MPEG4 video data with time stamp
- Capable of measuring accelerations up to 16g
- Pressure based airspeed and altitude sensors
- Data stored on removable SD card
- Remote camera or optional external video input

Applications

- Continuous measurement and data collection
- Unmanned vehicles
- Impact/Qualification testing
- Asset tracking



Specifications

Camera	
Update Rate	25 frames per second
Resolution	640 x 480
Rate Gyros	
Axes	3 DOF
Full-Scale Range	±320°/sec
Magnetometer	
Axes	3 DOF
Full-Scale Range	±11 gauss
Resolution	13 bit
Accelerometer	
Axes	3 DOF
Full-Scale Range	±16 g
Sensitivity	300 mV/g
Operation & Storage	
Input Supply Voltage	6V—14V (5W max)
Package Dimensions, Weight <i>Subject to change.</i>	2"x3"x1.5", < 4 oz.
Operating/Storage Temperature	-20C to 70C, -40C to 85C
Humidity	85% Non-Condensing RH
Powered/Unpowered Shock Rating	30G/200G

For more specifications visit www.iat-llc.com.

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