

FAT SHARK

RC VISION SYSTEMS



Fat Shark Specification Document

Model Number: 1610
Model Name: Trinity External Head Tracker
Certifications: CE, FCC Certificates
Document Revision/Date: Rev A/ 10.14.2014

Product Description:

This External Trinity 3-axis Head Tracker is the epic result of pairing an accurate 9DFO IMU with a revolutionary vector algorithm that anticipates and maps real head motion in free space. Trinity delivers the smoothest and most accurate 3 axis head tracker ever; it's impossible to even imagine what could be improved as the performance is flawless. Rapid fluid motion, zero error – the head tracker is so natural that it becomes an extension of your environment and you soon forget you are even using one. Trinity is a quantum leap forward in head tracking performance and it will change how FPV pilots fly.

Package Contents:



Trinity External Head Tracker

Futaba Data Cable

Turnigy Data Cable

Futaba Jumper

Turnigy Jumper

Specifications:

Electrical

- Power supply: 6 - 13 V (2S/3S)
- Power consumption: 25mA (@ 7.4V nominal)
- Axis: 3-axis (pan, tilt, roll)
- Sensor type: Magnetic, Inertial, Gyro
- IMU: 9 DOF
- Audio: Beeper Feedback
- Signal Output: PPM 8ch Stream (Standard RC Signal)
- User Controls: Single Button (Reset/ Menu Navigation)
- Interface: MiniDIN 6p (PPM out to radio)
Power in Port

Mechanical

- Outer Case: Plastic Injection Molded
- Weight: 24 g
- Size: 5.6 x 3.3 x 1.8 cm

Packaging

- Package Size: 10 x 6.5 x 4.5 cm

Operational Advice:

Head tracker initiates in pause mode. Head tracker reset button needs to be depressed and held to start camera motion. Default range motion is normal. Your radio may support extended motion but may result in errant behavior.

Note: For a complete and up to date list of compatible RC radios and their setup, a head tracking sticky thread is maintained at www.FPVlab.com under SPONSORS GATE/FAT SHARK.