

# FAT SHARK

## RC VISION SYSTEMS



### Fat Shark Specification Document

**Model Number:** 1603  
**Model Name:** Pan/Tilt/Roll Mechanism  
**Document Revision/Date:** Rev A/ 08.05.2014

#### Product Description:

When used with the 3-Axis Trinity head tracker, this compact pan/tilt/roll mechanism provides the pilot with 180° of pan motion and 60° of tilt and roll motion. Pan axis utilizes a digital metal gear servo for fast response speed and durability. High tolerance tooling and quality servos ensure steady camera motion. Camera mount brackets for 600TVL CMOS (20 mm) and Fat Shark CCD (25 mm) cameras are included in the packaging.

**NOTE:** Camera is not included.

#### Specifications:

##### Electrical:

- Pan: Digital
- Tilt/Roll: Analog
- Working Voltage: 4.5~6 volts
- Angle of Rotation: 90° Left/Right (Pan)  
30° Up/Down (Tilt)  
30° Clockwise/Anti-clockwise (Roll)

##### Mechanical:

- Size: 68 x 42 x 31 mm
- Weight: 45 g

##### Packaging:

- Inner Packing: PE Plastic Bag
- Dimensions: 101 x 68 x 44 mm
- Weight: Approximately 48 g



#### Operational Advice:

In terms of proper cable connecting, please refer to the following diagram:

