

FAT SHARK

RC VISION SYSTEMS



Fat Shark Specification Document

Model Number: FSV2445
Model Name: 5G8 32ch RaceBand Receiver with dual SMA V2
Document Revision/Date: Rev A/ 07.16.2016

Product Description:

Antenna diversity module can alternate between SMA inputs during low signal conditions to select best antenna thus combining the coverage of both the omni and directional antenna.

Specifications:

- Supply Power: 3.3~5 V
- RX Sensitivity: ≤ -90 dB
- RF Input Level: -90 dBm~ $+5$ dBm
- Video Format: NTSC/PAL
- Operating Temperature: $-10\sim 65$ °
- Size: 42 x 25 mm
- Weight: 13.6 g
- Accessories: 90 ° SMA adapter
45 ° SMA adapter
Dominator receiver door with dual hole



Channel chart:

DIP Switch	Band	Name	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
0-0	1	Fat Shark /IRC	5740	5760	5780	5800	5820	5840	5860	5880
0-1	2	Band E	5705	5685	5665	5645	5885	5905	5925	5945
1-0	3	Band A	5865	5845	5825	5805	5785	5765	5745	5725
1-1	4	RaceBand	5658	5695	5732	5769	5806	5843	5880	5917

Operation notes:

- 1) Must be used with directional antenna (bottom SMA) and omni (upper SMA). There is no benefit if using same antenna on both inputs.
- 2) If using a single antenna, place on upper SMA input (module will default to upper SMA if signal becomes immeasurable)
- 3) Module is not recommended for pushing extreme range. When signal becomes too weak to measure, module may not lock to a barely flyable image.