



Fat Shark Specification Document

Model Number: 2431
Model Name: 2G4 RX Module (8 Channels)
Document Revision/Date: Rev A/ 01.20.2014

Product Description:

The NexwaveRF 2.4 GHz RX Module as a modular receiver for use with modular Fat Shark goggles to enable them to receive signals from compatible 2.4GHz transmitters.

Specifications:

Electrical:

- Supply Power: 3.3~5 V
- RX Sensitivity: ≤ -90 dB
- RSSI Output Voltage: 0.4 V~2.2 V
- RF Input Level: -90 dBm~+5 dBm
- Video Format: NTSC/PAL
- Channel Selection Chart:



Mode Selection	Frequencies
DIP switch (0-0) SPI mode:	N/A, defined by external microcontroller
DIP switch (1-0) Airwave mode:	2414, 2432, 2450, 2468 MHz
DIP switch (0-1) Lawmate mode:	2370, 2390, 2410, 2430, 2450, 2470, 2490, 2510 MHz
DIP switch (1-1) NW Int. mode:	2370, 2396, 2410, 2430 MHz

Operation:

- Operating Temperature: -10~65 °

Mechanical:

- Size: 42 x 25 mm
- Weight: 10.8 g

Packaging:

- Packing Method: Transparent Blister Box
(2.4Ghz 3.0 dBi Dipole Antenna included)