



ATTITUDE V2 SPECIFICATION DOCUMENT (REV B 12/23/2013)

Headset Specifications:

Optics:

FOV (field of view): 35° diagonal (Image size: 1.3m @ 2m)
 Interpupillary (IPD) distance: 59 – 69 mm (adjustable)
 Supports optional diopter lens inserts: -2, -4, -6 dpt

Audio:

Stereo (requires adjustable volume earphone accessory)

User Controls:

Channel selection/ head tracker reset
 Mode selection (wired/wireless)
 Contrast/ brightness control

Electrical:

Power supply: 7 - 13 V (2S/3S supply)
 Power consumption (@7.4V nominal):
 300mA wireless/ 150mA direct mode (RX off)

Antennae:

External dipole (RX is circular polarized compatible)

Mechanical:

Ergonomic molded headset w/ adjustable headband
 Secured rubber eye cups for ambient light reduction
 Weight: 150g

Display

Full color LCD LED backlit Kopin CyberDisplay
 922,000 pixels binocular display (640 X 480 VGA)
 NTCS/PAL auto selecting

Head Tracker

Trinity 9DOF 3-axis head tracker

Battery:

7.4V 1000mAh (accessory, not included)

Interface

3.5mm AV in/out port
 Power in port
 3.5mm stereo earphone port
 PS/2 DIN head tracker data port

Operating Frequencies:

| | |
|----------------|---|
| 5.8 Ghz Module | 5740MHz, 5760Mhz, 5780MHz, 5800Mhz, 5820MHz, 5840Mhz, 5860Mhz |
|----------------|---|

Note: Fat Shark headsets use NexWave brand RF modules. Compatibility is only guaranteed with Fat Shark and ImmersionRC transmitters.





Camera Specifications:

Electrical:

Power supply: 3.5-5V (powered off TX)
Power consumption: 60mA @5V)

Imager:

1/3" CMOS
FPV tuned light handling
NTSC or PAL (selectable; jumper on = PAL).

Lens:

2.8mm IR coated
100° diagonal FOV (ideal for fixed camera)

Mechanical:

Square: 21 X 21 X 12mm
Lens extrude: 15mm X 14mm diameter
Weight: 15g



Transmitter Specification (250mW 5G8 V3):

Electrical:

Power supply: 7 - 16V (2S-4S supply)
Power consumption 310mA @7.4V
Power out (camera): 350mA, 5V
Transmitting power: 250mW
Frequency: 5G8 (see above frequency chart)

Antennae:

External dipole (circular polarized compatible)

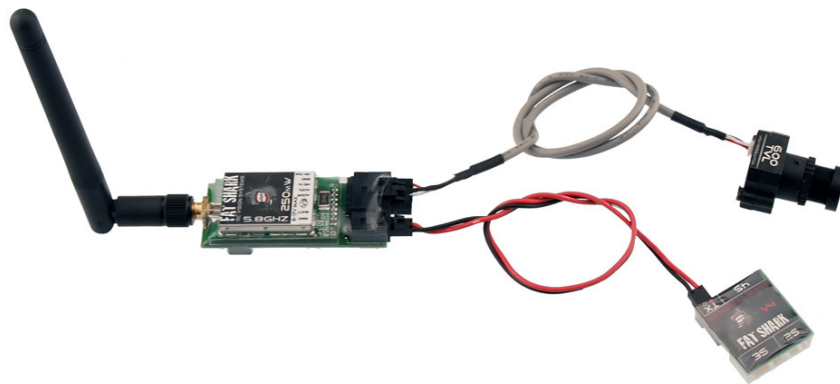
Mechanical:

55 X 26 X 11 mm
Weight: 22g (with antenna).



Combined onboard FPV components (TX, camera, filtered power adapter):

Power supply: 7 - 16V (2S-4S supply)
Power consumption 390mA @7.4V
Powered via battery balance lead
Total weight: 42g (with antenna).



Package dimensions: 22 X 17 X 6.5 cm (approximately 0.6 kg)