



Fat Shark Specification Document

Model Number: 1242
Model Name: PilotHD 720p HD FPV Camera V2
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Product Description:

The PilotHD 720p HD Camera V2 records 30fps at an impressive 15Mbps and is equipped with a 1/2.5" 5MP imager usually only found on full-sized HD cameras. The metal case ensures it survive impacts while minimizing RF interference with RC controls. It also features with real time analog out (NTSC), no automatic shutdown under any circumstances, large FOV and a tiny RF signature (UHF RC controller friendly).

Specifications:

Optical:

- Lens: 3.6mm (IR coated)
- Angle of View: Diagonal 120° (ideal for fixed camera)
- Imager: 1/2.5" 5MP digital CMOS imager
- Resolution: 720p (1280x720)
- Transmission Rate: 30fps, 15Mbps
- Video Format: NTSC analog live out
- MicroSD Card Memory: Support to 32GB
- Video Compression Format: AVI file, MJPG compression

Electrical:

- Power Supply: 5V (powered off TX)
- Power Consumption: 250mA@5V

Mechanical:

- Weight: 33g (11g uncased)
- Dimensions:
 - Metal Case: Square 27 x 25 x 23mm
 - Lens Extrude from Case: Diameter 12 x14 mm
 - Package Size: 101 x 66 x 46 mm



Operation:

Recording start/stop is controlled with the top button. You will need to add a MicroSD card (not included) to record HD video. The camera can be used as an FPV camera whether recording or not (or whether has SD card or not). LED status indicator is solid red on standby and flash red on record. The camera also has an OSD that shows the status in the goggle image. White timer is standby, Red timer shows the total time the camera has been recording current file.