SmartFPV
3 way RC Video Switch

User Guide

INTRODUCTION

SmartFPV 3 way RC video switch allows switching between 3 cameras while flying FPV. You can switch between flight camera, back view camera and camera facing down or use switch to see view from camera that takes pictures.
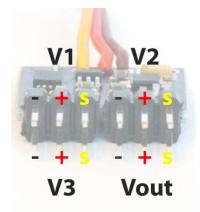
Features:

- 3 video inputs, 1 video output
- Regular servo channel or sum PPM control from RC receiver
- Video input and output power pins interconnected
- Additional battery input to power video devices
- Operating voltage 4V – 7V

CONNECTING

You can connect RC video switch to RC receiver's regular servo channel or sum PPM connector. It will automatically detect type of RC signal.

After device is powered blue LED starts blinking slow meaning that RC control signal is not detected. When you turn ON RC transmitter and device detects control signal LED stops flashing.

When using sum PPM signal it is possible to use any of the channels for video switch control. Default control channel is channel #8.

Configure PPM control channel

To change PPM channel used to control video switch you need to toggle 8 times needed transmitter switch within 10s after video switch is powered ON.

After toggling 8 times transmitter switch blue LED on video switch flashes one time indicating saving of new configured channel.

Video connectors

SmartFPV video switch has 3 video inputs and 1 video output. Connection is made with common 3 pin servo style connectors.

All pin headers have same pin functions: **GND, +V, Video**

Ground pin is always located at left if facing connectors and holding board with components on top. GND pins are marked with line on board.

Video power

All middle pins of 3 pin video connectors are interconnected to share same power between video cameras and video transmitter connected. You can power all devices either by feeding voltage to one of video devices connected or by soldering additional leads to battery input and connect battery. Battery connection leads are not included.