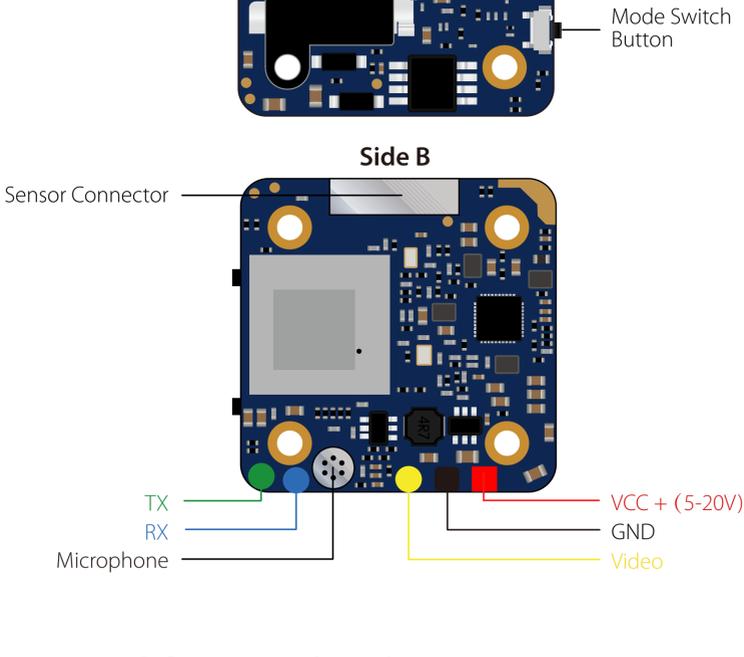


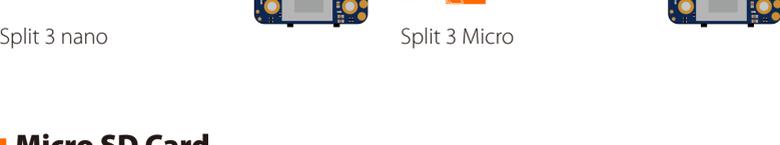
RunCam Split 3 Series

User Manual

Instruction Diagram

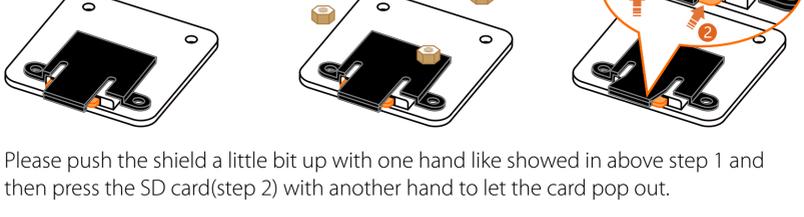


Lens Module Connection Diagram



Micro SD Card

Capacity up to 64GB; Please use high speed cards(Class10/UHS-I/UHS-II)

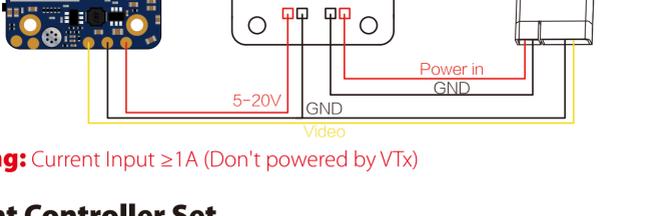


Please push the shield a little bit up with one hand like showed in above step 1 and then press the SD card(step 2) with another hand to let the card pop out.

Basic Camera Operation

Powering On/Off	Long press the Power/Shutter button
Standby Mode	Camera Status Light: Blue is On
Mode Switching	In Standby Mode, long press the Mode Switch button to cycle through the two modes: Video/OSD settings.
Video Mode	Camera Status Light: Blue blinks Press the Power/Shutter button to start/stop recording.
OSD Setup Mode	Camera Status Light: Orange is On <ul style="list-style-type: none"> Press the Power/Shutter button to move to a setting. Short press the Mode Switch button to change setting. Long press the Mode Switch button to exit the menu.
Firmware Upgrading	Camera Status Light: Orange blinks https://www.runcam.com/download/runcamsplit3series
Reset	In standby mode, press the Mode Switch button three times in rapid succession (within 2 seconds). When resetting is complete, the status light (orange) blinks twice, and the

Transmitter Connection Diagram



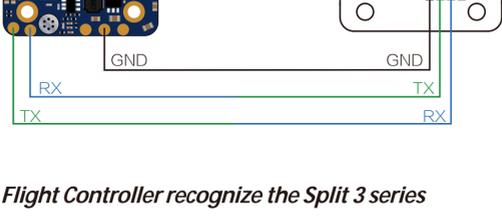
Warning: Current Input $\geq 1A$ (Don't powered by VTx)

Flight Controller Set

Preparation

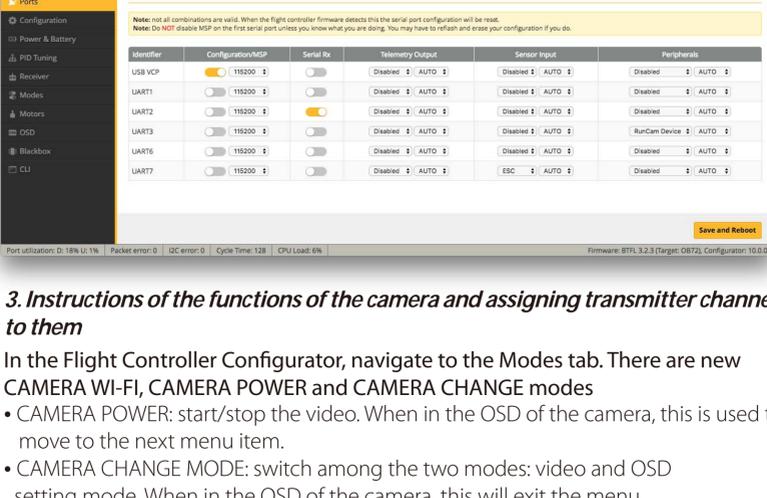
- Firmware: BetaFlight Firmware ($\geq 3.2.0$), CleanFlight Firmware ($\geq 2.1.0$), KISS Firmware ($\geq 1.3-RC30$) or INAV Firmware ($\geq 1.7.3$).
- Any available UART interface on the Flight Controller

1. Connect the Split 3 series with the UART interface of the Flight Controller



2. Make the Flight Controller recognize the Split 3 series

For example, we connect the Split 3 series to the UART 3 interface on the Flight Controller: connect the Flight Controller to the computer, then open the configurator software of the Flight Controller. (Open up the configurator that matches the firmware you are running, Betaflight for Betaflight, Cleanflight for Cleanflight). In the Peripherals column of the line UART3 (on the Ports tab), select RunCam Device and click Save And Reboot.



3. Instructions of the functions of the camera and assigning transmitter channels to them

In the Flight Controller Configurator, navigate to the Modes tab. There are new CAMERA WI-FI, CAMERA POWER and CAMERA CHANGE modes

- CAMERA POWER: start/stop the video. When in the OSD of the camera, this is used to move to the next menu item.
- CAMERA CHANGE MODE: switch among the two modes: video and OSD setting mode. When in the OSD of the camera, this will exit the menu

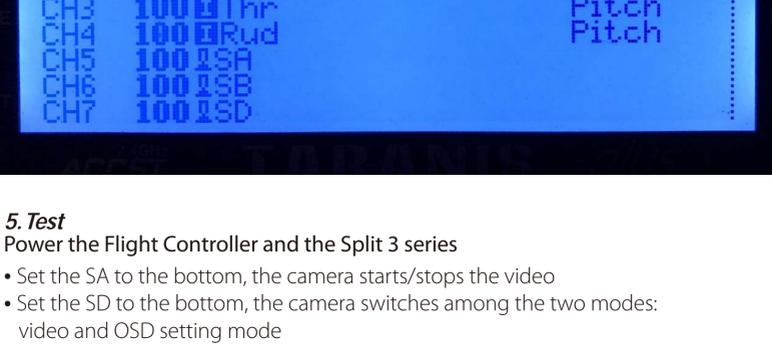
Assign any available channel to the function you need, for example:

- Assign the AUX2 to the CAMERA POWER, range 1900-2100
- Assign the AUX3 to the CAMERA CHANGE MODE, range 1900-2100



4. Assign the channel to the switch of the controller

Please choose your Model on the controller, then access to the MIXER interface and assign the channel to the switch of the controller. Take openpxy 2.2.0 for example, assign the channels CH5, CH6 and CH7 to SA, SB and SD respectively



5. Test

Power the Flight Controller and the Split 3 series

- Set the SA to the bottom, the camera starts/stops the video
- Set the SD to the bottom, the camera switches among the two modes: video and OSD setting mode

Technical Support

Please visit: <https://support.runcam.com>

Parameter

Model	Split 3 Micro	Split 3 Nano
Field of View(FOV)	Recording FOV 165°(FPV FOV: 165° @169, 130° @4:3)	
Video Resolution	1080@60fps/1080@50fps/1080@30fps/720@60fps	
Video File Format	MOV	
Image Resolution	2 MP	
TV Mode	NTSC (720*480)/PAL (720*576) Switchable	
Interface	JST 1.25mm / UART	
Max Micro SD Card Supported	64G(need Class 6 or above, recommend Class 10/UHS-I/UHS-II/UHS-III)	
Mounting Hole Distance	20*20mm	
PCB Size	29*29mm	
Lens Module Size	19*19mm	14*14mm
Lens Specs	M12	M8
Power Input	DC 5-20V (Non-direct power supply from battery, Powered directly with battery will generate surges and burn the camera.)	
Working Current	650mA @5V/270mA @12V	
Weight	14g	10.5g