





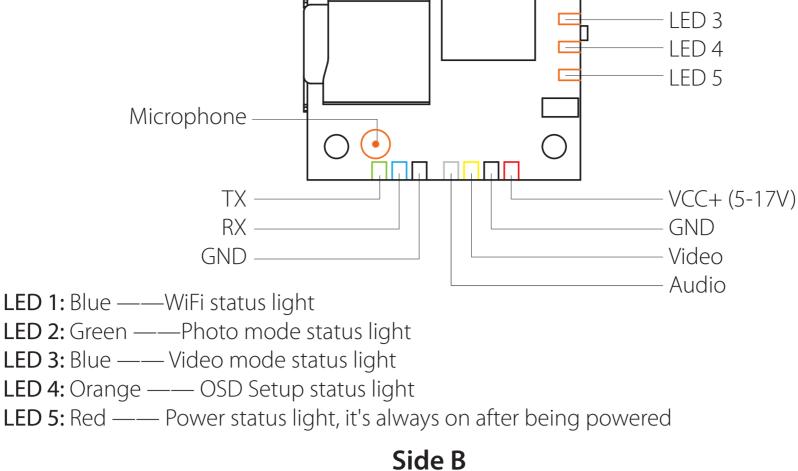
LED 1

LED 2

Micro-USB

Buzzer

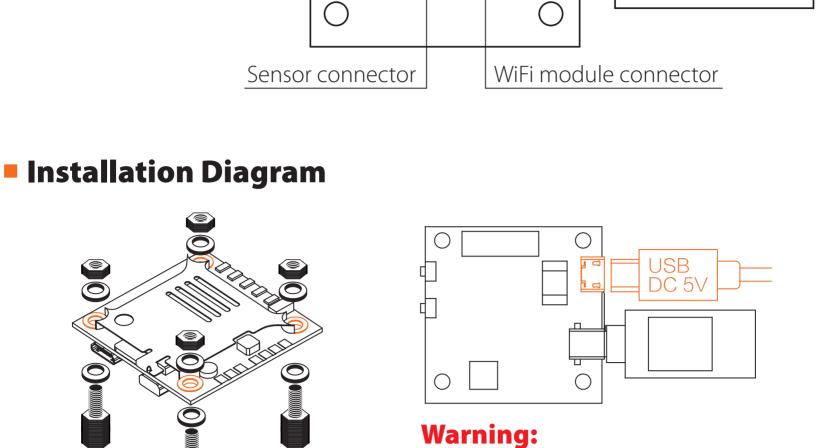
Instruction diagram



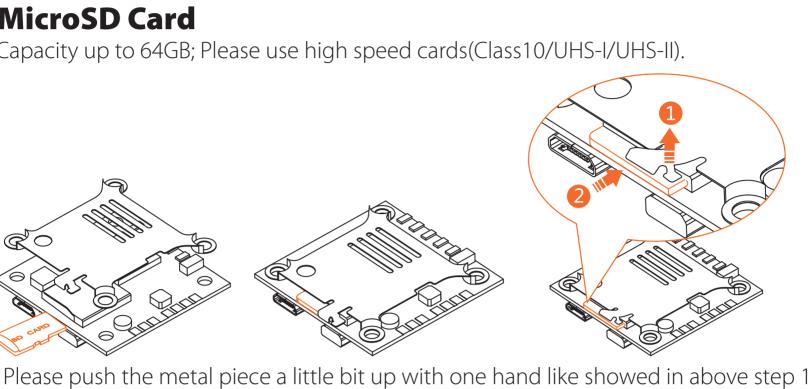
Side A

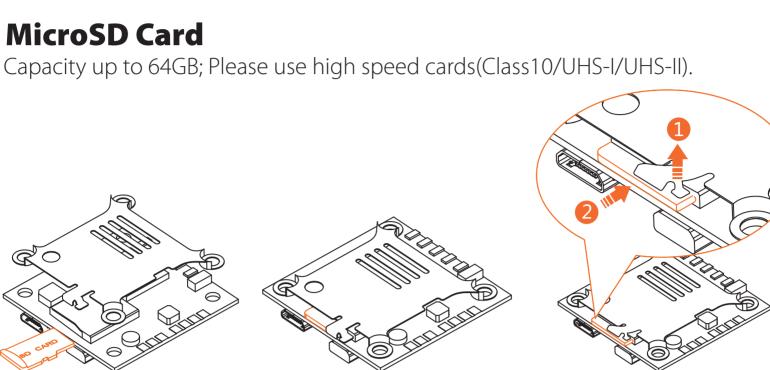
WiFi/Mode Switch Button

Power/Shutter Button



MicroSD Card





USB port only supports DC 5V

should face to the opposite of each other. For more details about how to connect the lens cable properly, you may refer to: https://goo.gl/PoGg1T

Long press the Power/Shutter button

Camera Status Light: Green (LED 2)

Camera Status Light: Orange (LED 4)

Short press the WiFi/Mode Switch button

Warning: Please push upward the black locking arm before you unplug the lens cable in

case the connector is destroyed. And Golden fingers on ends of the lens cable

After powering on, long press the WiFi/Mode Switch button to cycle

• Press the Power/Shutter button to start/stop recording.

• Press the Power/Shutter button to capture photos.

• Press the Power/Shutter button to move to a setting.

• Long press the WiFi/Mode Switch button to exit the menu.

• Press the WiFi/Mode Switch button to select.

and then press the SD card(step 2) with another hand to let the card pop out.

Mode Switching through the three modes: Video/Photos/OSD settings. Camera Status Light: Blue (LED 3)

Basic Camera Operation

Powering On/Off

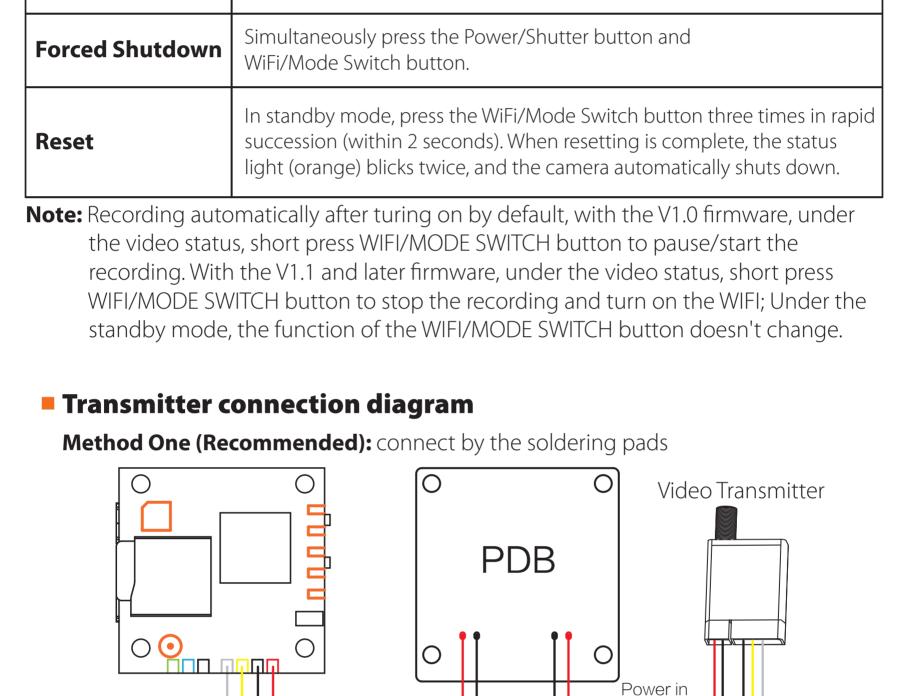
WiFi On/Off

Video Mode

Photo Mode

OSD Setup Mode

Lens module connection diagram



PDB 0 5V Power in GND **GND**

Methos Two: connect by the TV-out and power USB cable

GND

Video

Audio

GND

Video

UART Interface

GND

GND

Video Transmitter

• Firmware: CleanFlight (≥2.1.0) / BetaFlight (≥3.2.0) • Any available UART interface on the Flight Controller 1. Connect the RunCam Split 2 with the UART interface of the Flight Controller

GND

RunCam Device and click Save And Reboot.

BETAFLIGHT

2017-12-14 @ 14:44:13 -- Craft name

2017-12-14 @ 14:44:12 -- Flight controller info, identifier: BTFL, version: 3.2.3

2017-12-14 @ 14:44:13 -- Unique device ID: **0x35001a3335510735303934**

2. Make the Flight Controller recognize the RunCam Split 2

For example, we connect the RunCam Split 2 to the UART 3 interface on the Flight

you are running, Betaflight Configurator for Betaflight, Cleanflight Configurator for

Cleanflight). In the Peripherals column of the line UART3 (on the Ports tab), select

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

0.1 V

RX

TX

Warning: USB port only supports DC 5V

Flight Controller Set

Preparation

o, photo ite:

MOV

2 Megapixels

Support (Removable)

DC 5-17V / DC 5V(USB)

650mA @5V/270mA @12V

21g/23g (Plus WiFi Module)

FPV FOV 130°/Recording FOV 165°

1080@60fps/1080@30fps/720@60fps

PCB 38*38mm/Lens Module 22*20mm

Video Resolution Video Files

Parameter

FOV Angle of Field

Image Resolution

Dimensions

Power Input

Weight

Working Current

Technical Support

Please visit: support.runcam.com

Max Micro SD Card Supported WiFi Module

NTSC (720*480)/PAL (720*576) Switchable TV Output Real-Time Audio Output Yes Micro USB / UART Interface 64G(need Class 6 or above, recommend Class 10/UHS-I/UHS-II)

	Ports			WIKI
Configuration Dower & Battery		t controller firmware detects this the serial port configuration nless you know what you are doing. You may have to reflash a		
ஃ PID Tuning	Identifier Configuration/MSP	Serial Rx Telemetry Output	Sensor Input	Peripherals
由 Receiver	USB VCP (115200 \$) UART1 (115200 \$)	Disabled \$ AUTO \$	Disabled \$ AUTO \$	Disabled
	UART1 115200 \$	Disabled \$ AUTO \$	Disabled \$ AUTO \$	Disabled AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO
osd osd	UART3 115200 \$	Disabled \$ AUTO \$	Disabled \$ AUTO \$	RunCam Device ‡ AUTO ‡
:∎: Blackbox	UART6 115200 \$	Disabled \$ AUTO \$	Disabled \$ AUTO \$	Disabled † AUTO †
E CLI	UART7 115200 \$	Disabled \$ AUTO \$	ESC \$ AUTO \$	Disabled \$ AUTO \$
<u> </u>				Save and Reboot
Port utilization: D: 18% U: 1%	Packet error: 0 12C error: 0 Cycle Time: 128 Cl	PU Load: 6%	Firm	nware: BTFL 3.2.3 (Target: OB72), Configurator: 10.0.0
3. Instruction channels		ns of the camera a	na assigning	transmitter
	•	rator, navigate to th		There are new
AMERA WI-F	-I, CAMERA POWER	R and CAMERA CHA	ANGE modes.	
CAMERA WI	-FI: turn on/off the	WIFI of the camera.	When in the OS	SD of the camera, t
is used to co	onfirm your selection	on.		
CAMERA PO)WER: start/stop the	e video. When in the	e OSD of the ca	mera, this is used to
	e next menu item.			,
CAMERACE	HANGE MODE: swit;	ch among the three	modes video	nhoto and OSD
setting mod	ae. When in the Oai	D of the camera, thi	S WIII EXIL LITE IT	eriu.
ssign any av	ailable channel to	the function you n	eed, for examp	ole:
,		RA WI-FI, range 1900		
9		9		
Assign the A	AUX2 to the CAMER	RA POWER, range 19	00-2100	
Assign the A	AUX3 to the CAMER	RA CHANGE MODE,	range 1900-210	0
0 0 0		Betaflight Configurator		
ON RETAF	LIGHT	0.1 V	× 1 1 1 2 2	No dataflash chip found
Configurator: 10.1 Firmware: BTFL 3	0.0 .2.3 (Target: OB72)	A ♥ ∂	Gyro Accel Mag Baro GPS Son	Enable Expert Mode Disconnect
2017-12-14 @ 14:45:12 Runnin 2017-12-14 @ 14:45:12 Board:	g firmware released on: Dec 11 2017 07:57:37			Hide Log
Contract the contract of the c	device ID: 0x35001a3335510735303934			
2017-12-14 @ 14:45:53 EEPROI				**.
	FPV ANGLE MIX Add Range			
Configuration	CAMERA WI-FI AUX 1 \$			•
☑ Power & Battery ∴ PID Tuning	BUTTON Min: 1900 Max: 2100 900		1500 1600 180	0 2000 2100
由 Receiver		1000 1200 1400	1500 1600 160	2000 2100
- Modes	CAMERA POWER BUTTON Min: 1900	I * * * I * * * I		1 1 1
Motors OSD	Add Range Max: 2100 900	1000 1200 1400	1500 1600 180	2000 2100
: Blackbox	CAMERA CHANGE AUX 3 \$ MODE Min: 1900			
⊡ C⊓	Add Range Max: 2100 900	1000 1200 1400	1500 1600 180	2000 2100
	PREARM Add Range			
	Add Kange			Save
Port utilization: D: 27% U: 2%	Packet error: 0 I2C error: 0 Cycle Time: 125 Cl	PU Load: 7%	Firm	nware: BTFL 3.2.3 (Target: OB72), Configurator: 10.0.0
. Assign the	e channel to the s	witch of the contr	oller	
lease choose	your Model on the	e controller, then ac	cess to the MIX	ER interface and
ssign the cha	annel to the switch	of the controller. Ta	ke opentx 2.2.0	for example, assign
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CH5	100 2SA			
CHR	100 ISB			
CH7	100 980			
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Set the SA t	o the hottom the c	camera starts/stops	the video	
		20.1.1.C.1.G. 3.CG1 CJ/ 3.COP3	and video	

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2017-12-14 @ 14:45:12 Running 2017-12-14 @ 14:45:12 Board: O 2017-12-14 @ 14:45:12 Unique d	B72, version: 0						
2017-12-14 @ 14:45:53 EEPROM	ne:						
	FPV ANGLE MIX						
Configuration	Add Range						
☑ Power & Battery ♣ PID Tuning	CAMERA WI-FI BUTTON Add Range	AUX 1 \$	1200	1400 1500	1 1	1 1800	1
₾ Receiver	CAMERA POWER	AUX 2 \$	1200	1400 1500	1600	1600	2000
Motors Motors	BUTTON	Min: 1900	1200	1400 1500	1600	1800	2000
™ OSD	CAMERA CHANGE	AUX 3 ‡					
■: Blackbox □ CLI	AND THE PROPERTY OF THE PARTY O	Min: 1900 Max: 2100 900 1000	1200	1400 1500	1600	1800	2000
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	Add Range						
Port utilization: D: 27% U: 2%	acket error: 0 I2C error:	0 Cycle Time: 125 CPU Load	i: 7%			Firmware: BTF	L 3.2.3 (Target: Ol
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THE STATE				-0.3 C			1 6/
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CH1 CH2 CH3	100 100 100 100	64 GAil GEle GThr		-0.3		Roll	
CH1 CH2 CH3 CH4	100 100 100 100 100 100	64 GAil GEle GThr GRud		-0.3		Roll Pito	
CH1 CH2 CH3 CH3 CH4 CCH6	100 100 100 100 100 100	64 Ail Ele Thr Rud		-0.3			
CH1 CH2 CH3 CH3 CH5 CH6	100 100 100 100 100 100	64 MAil MEle MThr MRud ISA ISB		-0.3			
CH1 CH2 CH3 CH4 CH5 CH6 CH7	100 100 100 100 100 100 100	64 MAil MEle MThr MRud ISA ISB ISB		-0.3			
CH1 CH2 CH3 CH4 CH5 CH6 CH7	100 100 100 100 100 100 100	64 MAil MEle MThr MRud ISA ISB ISB		-0.3			
CH1 CH2 CH3 CH4 CH5 CH6 CH7	100 100 100 100 100 100 100	64 MAil MEle MThr MRud ISA ISB ISB		-0.3			
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www.runcam.com