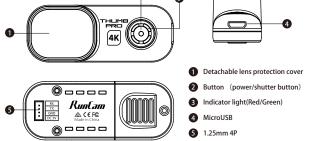


THUMB

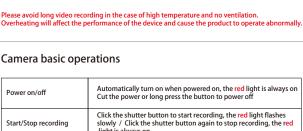
RunCam Thumb Pro

Function indication



Runtam

Power supply connection and flight controller connection



	light is always on
Mode switch	Double-click the shutter button quickly to switch between the recording mode (the red light is always on) and the parameter settings mode (the green light is always on)
Parameter settings mode	Scan the QR code in the Runcam APP to configure
Remote control mode	Thumb Pro Connect ThumbPro to flight controller for operations
SD card error	Red light keeps flashing fast
Attention: SD card error inclu	ides card full, slow card speed, card damage and etc.
Micro SD Card	

U3 card is recommended (4K@30FPS/2.7K@60FPS/1080P@120FPS requires U3 or above) Supports up to 256G microSD card

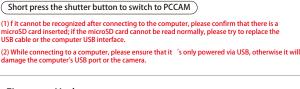






MicroSD Card

Computer Connection Connect the computer via Micro USB, it will be recognized as a U disk.



Firmware Update

To ensure optimal performance of the camera, please use the latest firmware version. Check the link below to update for reference

Android and IOS APP

https://www.runcam.com/download/ThumbPro Firmware upgrade status (Red and green lights flashing fast; when the upgrade is completed, the camera automatically shuts down.)

Search "RunCam" on Google play and Apple Store, or download on our website http://www.runcam.com/download

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

Technical Support

Video Quality

Medium

50Mbps

50Mbps

30Mbps

50Mbps

Codec

H.264

Low

40Mbps

40Mbps

20Mbps

40Mbps

Resolution

4K@30fps

Video Bitrate and Codec

High

60Mbps

2.7K@60fps 60Mbps 40Mbps 1440P@60fps 1080P@120fps 60Mbps

	1080P@60fps	45Mbps	30Mbps	22Mbps		
						-
F	light Controlle	er UART Conti	rol			
F	reparation					
	Firmware: BetaFligh	nt Firmware (≥3.2	.0),CleanFlight Fir	mware(≥2.1.0),		
	KISS Firm	ware (≥1.3-RC30)	or INAV Firmware	e (≥1.7.3).		
٠	Any available UART	interface on the	Flight Controller			
1	Connect the Puncar	on Thumba DDO wit	h tha LIADT intarfa	an af tha Fliaht Ca	ntrallar	

For example, we connect the Runcam Thumb PRO to the UART 5 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 Configurator for Betaflight, Cleanflight Configurator for Cleanflight). In the Peripherals column of the line UART 5 (on the Ports tab), select Camera (RunCam Protocol) and click Save And Reboot.

BETAFLIGHT

2. Make the Flight Controller recognize the Runcam Thumb PRO



- AUX 2 1 Min: 1900 Max: 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 opentx 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 Runcam Thumb PRO 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
- Specifications

Runcam Thumb Pro 4K@30fps\2.7K@60fps\1440P@60fps\

Resolution	1080P@120fps\1080P@60fps	
Sensor	IMX577(12MP)	
F.O.V	150°	
Video Format	MP4	
Gyro	Bulit-in	
Communication Interface	Micro USB	
Micro SD Card Capacity	256G Max	
USB Power Input/ Terminal Power Supply	DC 5.0V	
Remote Control	Uart	
Power Consumption	500mA@5V Max	
Dimension	54mm*25.5mm*21mm	
Net Weight	16g	