

4K FPV Sport DV

FIREFLY Q6

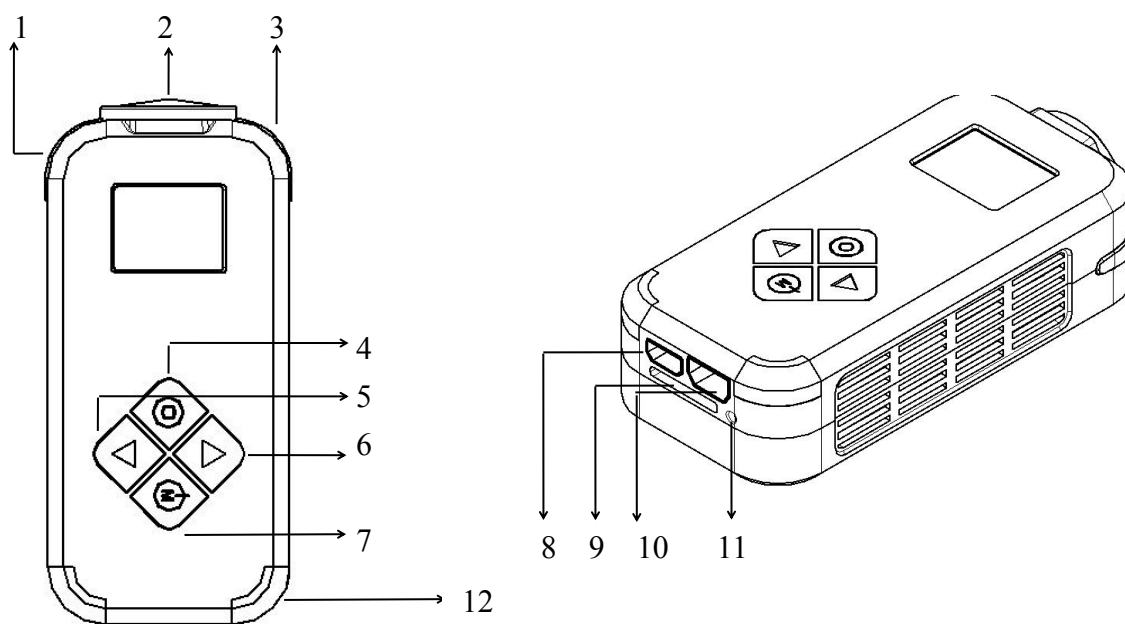
- OLED Display
- Gyro Image Stabilization
- SONY 12Mega pixels COMS Sensor (IMX078)

Ver 3.0

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Features :



1. State LED

2. Lens

3. State LED

4. OK button

5. Down button

6. Up button

7. Mode key / Power button

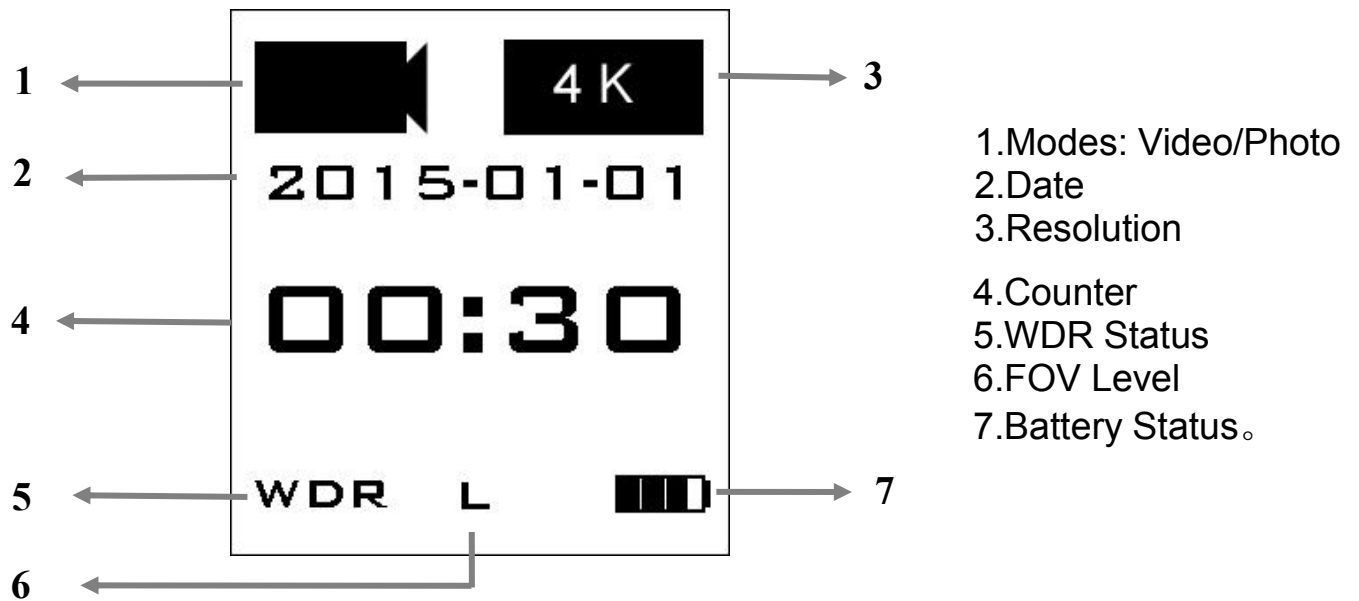
8. HD output port

9. tf card port

10. USB Port

11. Reset hole

OLED Status Screen



Note: Please use a C10 TF Card (when the card speed is not match,it will show“ card speed low ”) , free up its data and format it on Firefly before use.

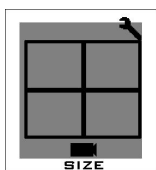
Performance and Specifications:

	Photo resolution	16M/8M/5M
	AV output format	PAL/NTSC
	USB Port	
	HDMI Output	YES
	Kind of TF card supported	Class 10
Specifications	Maximum size of TF card supported	64G
	Camera size	30×21×25 MM
	Weight	41g
	Battery Capacity (Battery is removable)	700mAH
	Battery life	50 minutes
	Time to complete charging	1.5 hours
	Compressed format	H264
Optical Parameter- Wide angle version	Video/photo format	*.MP4 / *.JPG
	Diaphragm	F/2.8 , 7 glasses
Optical Parameter - distortionless version	Angle	Horizontal 120 degree Diagonal 170 degree
	Diaphragm	F/2.8 , 11 glasses
Electric Parameter	Angle	90 degree
	Working Voltage	5V
Working Modes	Working +charge current	1000mA
	Video	
	Photo	
	Time-lapse video	
	Time-lapse photo	
	11 Burst Photo	

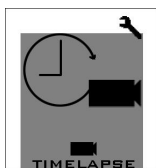
Button Functions

Name	Functions	Descriptions
Power/Mode Button	Turn on/off camera; select modes	Press once, camera on; press for 3 seconds, camera off/ press to select photo or video mode.
OK Button	start/stop recording	Confirm setting
UP Button	move upwards	Enter menu setting/move upwards
DOWN Button	Move downwards	Enter menu setting/move downwards

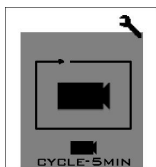
Menu Description



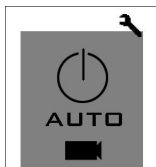
Video resolution: select from 4K@24fps(Quicktime player required),2.5K @30fps, 1920*1440@30fps,1080P 60@fps,1080P@30fps and 720p@120fps,VGA@30fps。



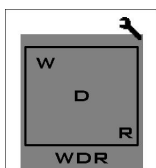
Time-lapse video: to start/stop time-lapse video at 0.5 / 1 / 3 / 5 /10 second intervals.



Cycle recording: If cycle recording mode is selected, the video will be cut into 5-minute segments. The earliest files will be covered when the TF card is full. (This mode is suggested to be used in vehicle monitoring.)



USB Power Up Auto-record: If this function on, it will automatically start recording when connected to external power source via USB. (This mode is suggested to be used in vehicle monitoring or aerial photographing.)



WDR (Wide Dynamic Range): WDR function is suggested to be used in cloudy/dark environment. It might cause overexposure in sunny days. (This mode is not suggested to be used in sunny days).

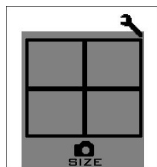


Photo resolution: 16M / 8M / 5M
(16M is suggested)

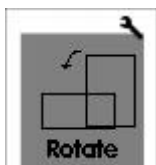
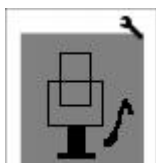
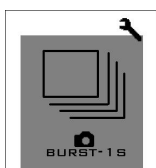


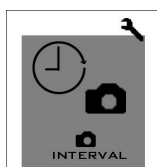
Image rotate. Image rotate 180 degrees.



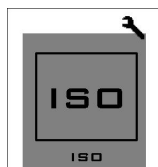
Recording audio ON/OFF.



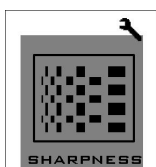
Burst photo: capture 11 photos in 1 second.



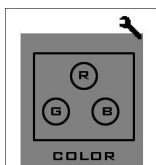
Continuous photo: This option allows you to capture photos continuously every 3 / 5 / 10 /30 second.



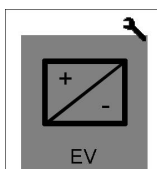
ISO adjustment: AUTO/100/400/1600.ISO of photos can be adjusted. At night, the lower ISO you select, the better image effect you get.
(Note: please hold your camera steady when taking photos)



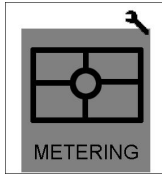
Sharpness adjustment: 3 options: High, Medium and Low. Low sharpness is suggested at night.
(Under recording mode, Medium level is suggested; under photographing mode, Medium level is suggested for close-shot or in dark environment .



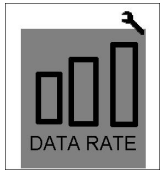
Color adjustment: 2 options: standard and vivid.
(If you want post-production, standard option is suggested.)



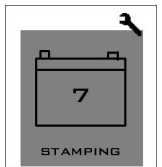
Exposure: High/Middle/Low. Exposure value adjust, Lower exposure value makes more detail, but the image will darker.



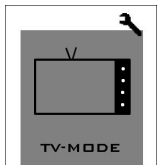
Metering way adjust: Average/Center/Spot。



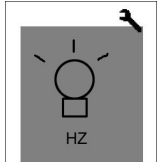
Bit Rate adjust: High/Low。 Higher data rate makes more detail, but the video file will bigger。



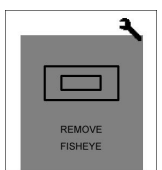
Time stamping: this option allows you to stamp the time on the photos or videos.



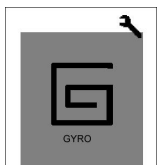
TV output mode: PAL / NTSC



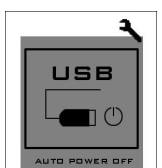
50HZ/60HZ Light frequency setting。



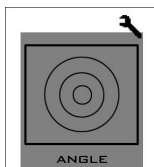
ON/OFF。 Turn ON to reduce Fish eye effect。



ON/OFF。 Image stabilization. Turn ON to enable this function。



USB Auto power-off: the power will be automatically turned off in 30 seconds after the USB power supply is cut.
(This function is suggested to be used in aerial photographing.)

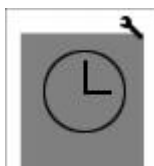


Angle adjustment: 2 options: Large / Medium . Small angle can reduce image distortion.

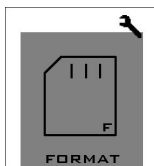
(**Large** angle is suggested as using smaller angle will reduce image quality.)



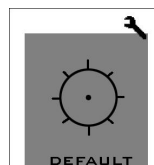
External battery voltage display ON/OFF。 Use our AV cable(voltage converter inside), Connect to battery positive and negative (2S-6S), voltage display will shown on the AV output.。



Date time adjustment。 Press OK key to enter, use UP/DOWN key to adjust the date and time.



TF card formatting: After power on, if the format of TF card does not fit the system, you will see a tip “please format card” and please use this function then.

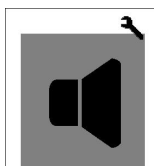


Factory default settings: you can use this function to resume all factory default settings.

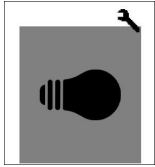
(Note: if the camera does not work normally, please resume all factory default settings and then restart it again.)



System version: enter to see the system version of the camera.



Beep Voice ON/OFF. When turn OFF, the operation Beep voice will be turned OFF.



LED light ON/OFF. When set it OFF, the LED light will be keep OFF.



Long exposure photo:OFF, 0.5S, 1S, 2S,5S, 10S, 20 S, 30S, 60S. This function is design for light doodle. When capture light doodle, be patience to wait for the machine to finish.



Frame Rate First: When this function ON, the frame rate would not drop. When this function OFF, the frame rate will change according to the environment and it will save power. If you want to save power, please set this function OFF; if you want to have full frame videos, set it ON.



Slow motion movie.Set it ON, it will capture slow motion movie and save to tf card.

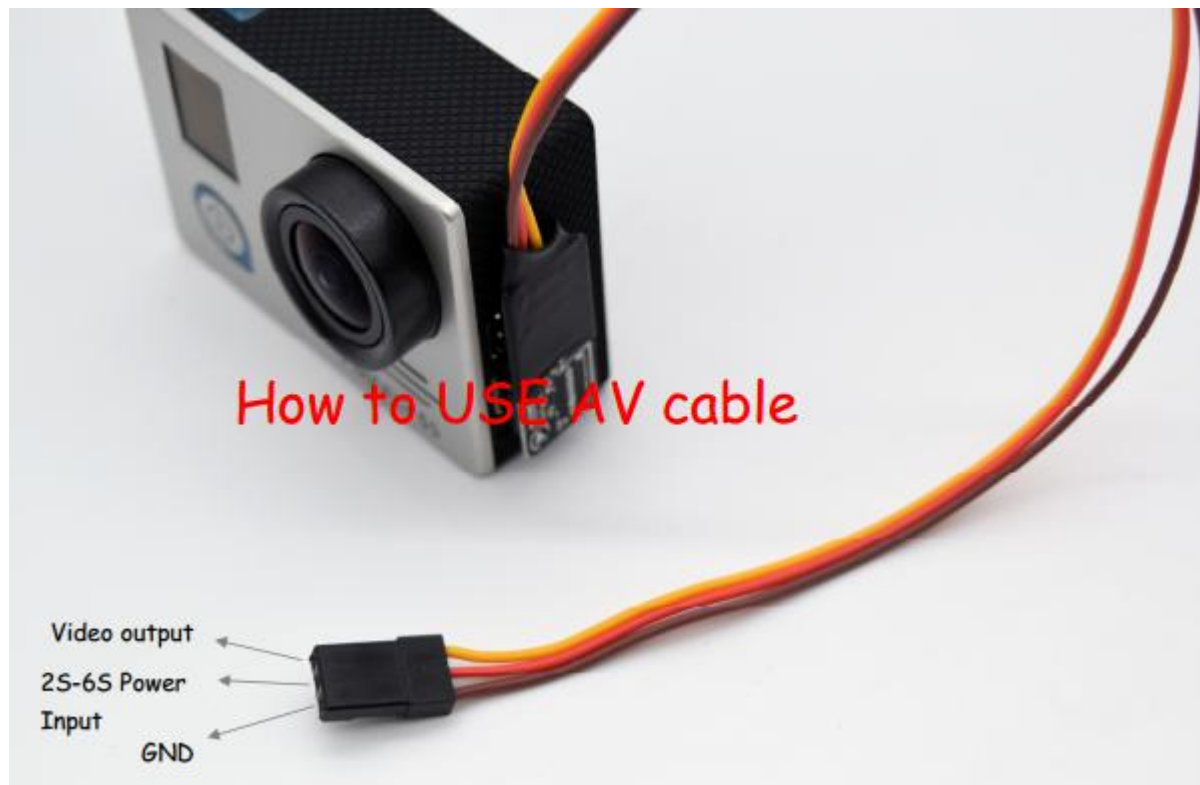
Battery Charging:

Connect the camera to a computer or phone charger using the included USB cable. Use 1A charger, and turn off the camera when charging will increase the charging rate. The Charging Status Light it will turn OFF when the battery is fully charged. Suggest to turn off the machine when charging, press and hold Mode key for 3 seconds could turn off the machine.

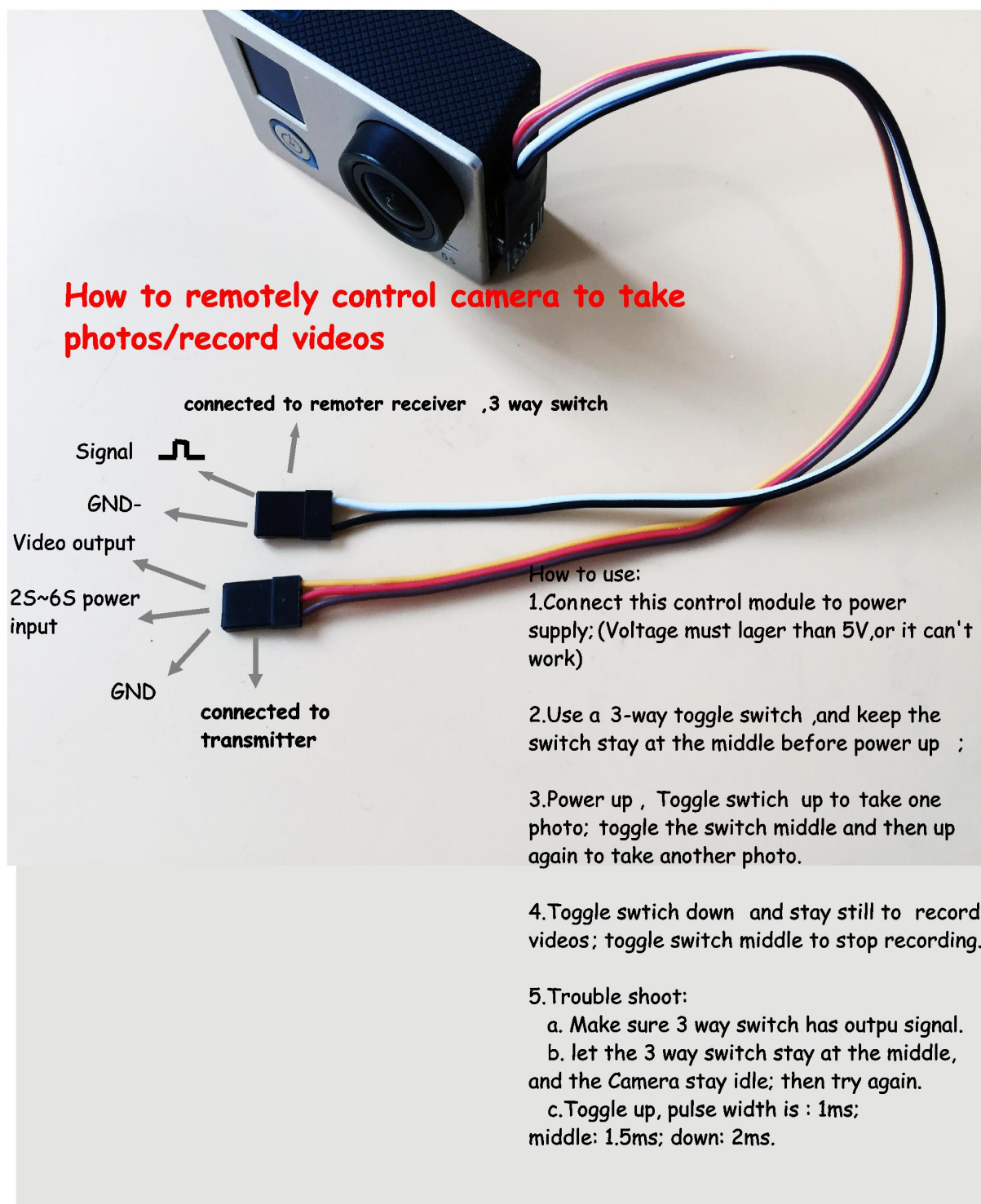
Transferring Files:

1. Connect the camera to a computer via the included USB cable, and then turn on the camera.
2. Double click "My Computer" and locate "Removable Disk". Enter "Removable Disk" and you will find all photo and video files in DV folder.

Accessories installation instructions(Optional):



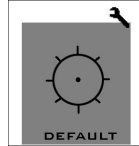
Remote control cable(3 way switch):



Trouble shooting:

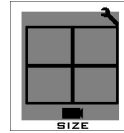
1.if the video quality is not satisfied or if you have any question: try to set it to default

settings first:



2.Videos are not smooth:

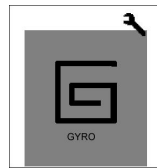
a.Set the video resolution to :*1080P 60FPS*



b.Set frame first :*ON*

FRAME
FIRST

c.Set Gyro :*ON*



d.Change a player(Quicktime player).

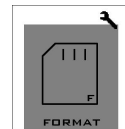
3.Battery endurance time is not enough: set frame rate first: *OFF*

FRAME
FIRST

4.Charging time too long: when charging, press and hold Mode key to turn the machine power off.

5.Video and sounds are no sync: a.copy the video to computer. B. Change a player(Quicktime).

6.Can't record: a.Make sure card speed is C10. B. Format tf card once:



7.For more information please visit our website: www.CNfpv.com.