Viewpro

HOW TO USE PL3 FLIR TO CONTROL THE FLIR VUE PRO

![Viewpro]

PWM1...
PWM4

S.BUS/RX
ROLL/TX
PITCH
YAW
MODE
ZOOM
FOCUS
PIC
REC
AV

5v   gnd
Video gnd

PWM1...
PWM4

UART_RX
UART_TX

![Viewpro]
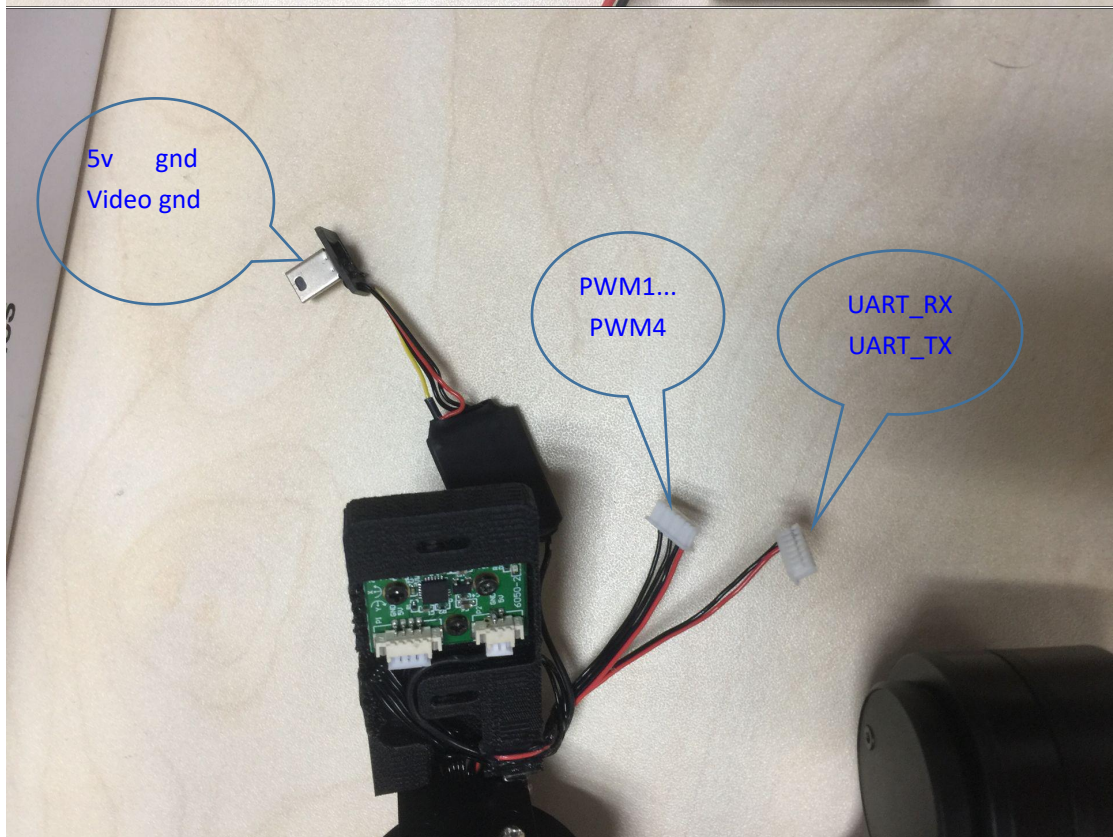
MODE 1: USE PWM1.....PWM4 to control the Flir Vue pro
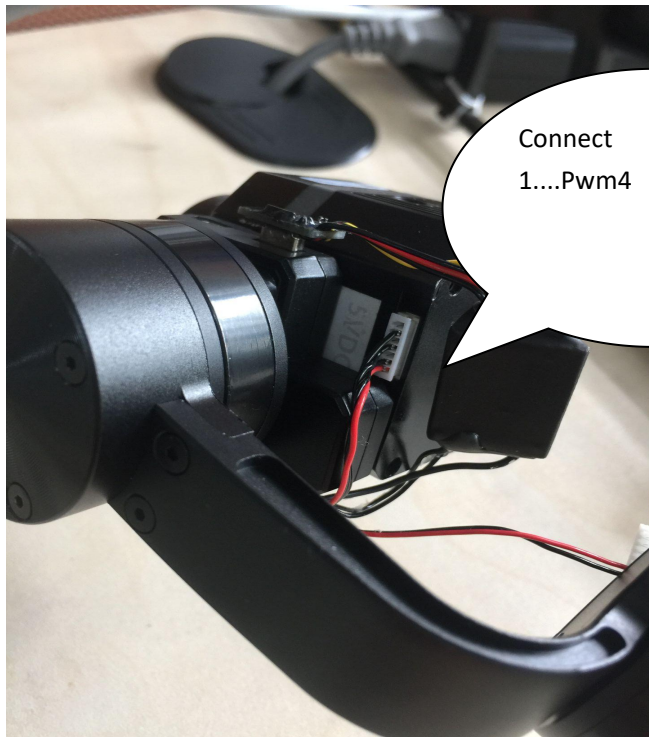
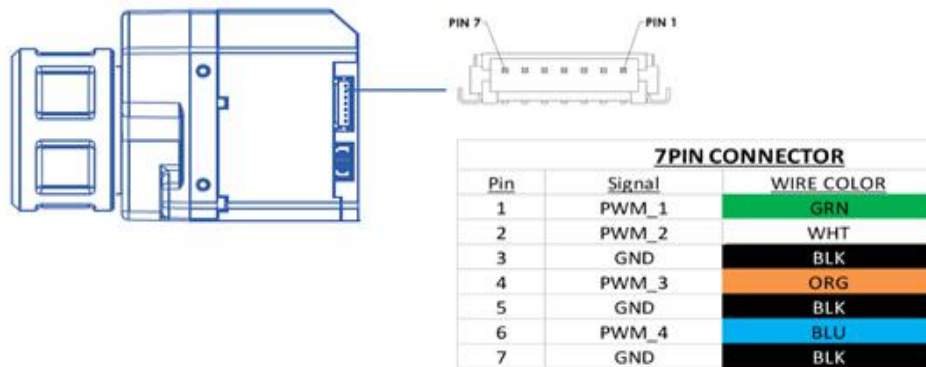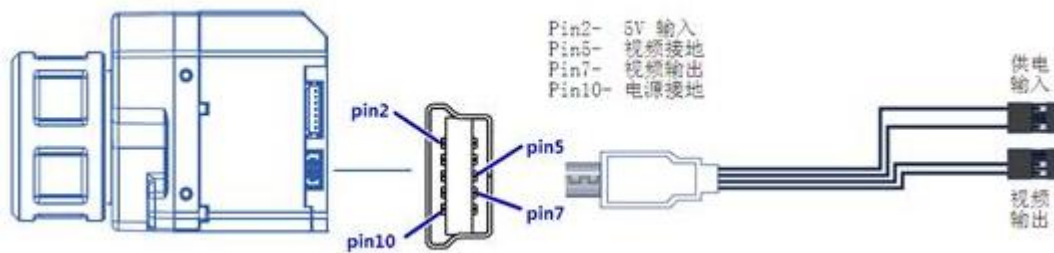
Connect the Pwm 1....Pwm4 port

MODE2: USE UART to control the FLIR VUE PRO

Connect the (UART_RX UART_TX) port

7PIN CONNECTOR		
Pin	Signal	WIRE COLOR
1	PWM_1	GRN
2	PWM_2	WHT
3	GND	BLK
4	PWM_3	ORG
5	GND	BLK
6	PWM_4	BLU
7	GND	BLK

1) **You can use PWM1...PWM4 to control Flir Vue pro**

2) **You can use our PWM control port to control Flir Vue pro instead of PWM1...PWM4 (before use this function, you need to upgrade the Vue pro as following)**
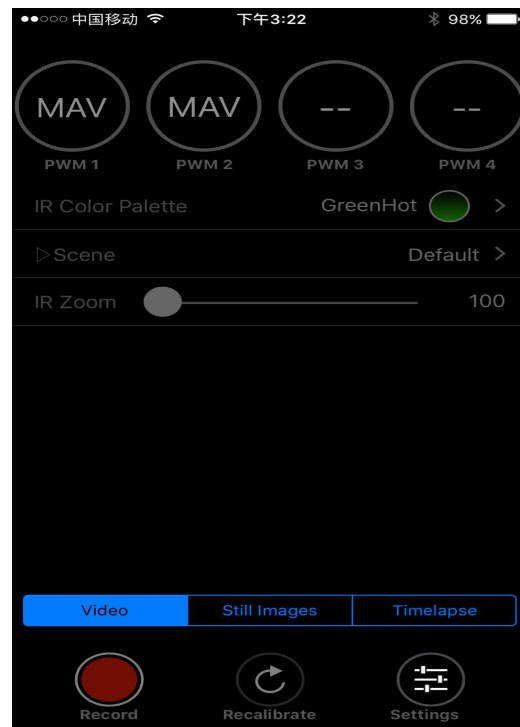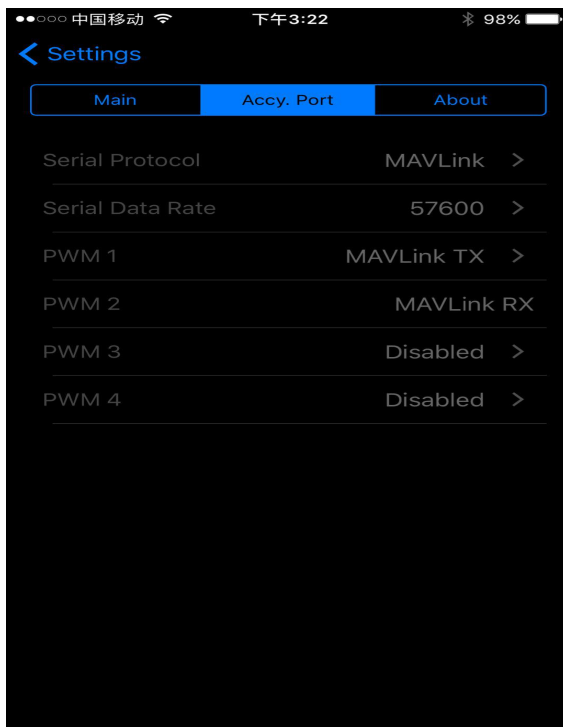
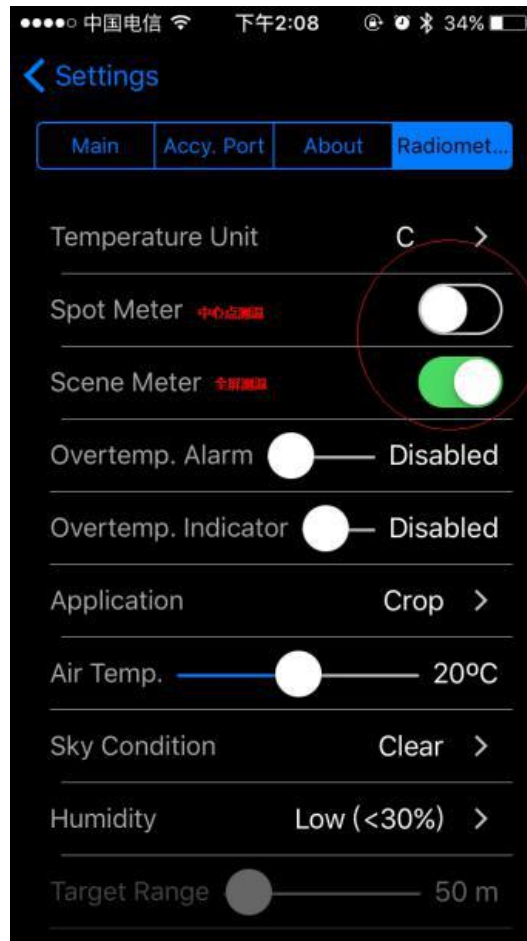   **ZOOM ----- ZOOM OF VUE PRO**

   FOCUS ----- CHANGE COLOR OF VUE PRO

   PIC   ------ SNAP A PICTURE /START RECORD/STOP RECORD

   REC   ------ BACK PWM CHANNEL FOR RECORD CONTROL

S.BUS/RX
ROLL/TX
PITCH
YAW
MODE
ZOOM — Ele_zoom of Vue pro
FOCUS — Color_bar
PIC — Snap/recorder start/stop
REC — Backup recorder control
AV — Cvbs out of Flir

Settings

Main	Accy. Port	About

Serial Protocol	MAVLink >
Serial Data Rate	57600 >
PWM 1	MAVLink TX >
PWM 2	MAVLink RX
PWM 3	Disabled >
PWM 4	Disabled >

| MAV | MAV | -- | -- |
| PWM 1 | PWM 2 | PWM 3 | PWM 4 |

IR Color Palette	GreenHot >
▷Scene	Default >
IR Zoom	100

| Video | Still Images | Timelapse |

Record   Recalibrate   Settings

FW 2.1.2

Note: This Vue Pro firmware update requires the following APP versions for full functionality:

Android APP version ≥ 0.1.81
iOS APP version ≥ 1.4

- Changed name of APP from FLIR Vue Pro to FLIR UAS
- Added a device selection menu for choosing between multiple cameras
- Restored 8-bit JPEG image capture for Vue Pro / R
- Renamed most still and video files to clarify 8-/14-bit
- Improved menus and user interface
- Improvements to Bluetooth connection and stability
- Updates for iOS 10 compatibility

Vue Pro Firmware Upgrade Procedure

1 – Backup Vue Pro settings

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Connect to the Vue Pro with the Bluetooth application and make note of all your settings. The firmware upgrade will reset the camera settings to defaults since we typically are adding features and the previous settings may not be optimal for your application.

2 - Download firmware update

Download the firmware upgrade archive to your computer and unzip the VUE_PRO_TEST_I_V6.0.1.ITM file. Load this file onto the camera micro SD card either by connecting your Vue Pro to the computer with the included Bench cable, or through another suitable micro SD card reader.

3 – Power on Vue Pro

Power on the Vue Pro and wait for it to complete the boot cycle (you'll hear the three beeps and see the Bluetooth light go steady blue and the Record light go steady red).
If the Bluetooth radio does not enable, press the button to it on. You will see a blue light.

4 – Start update process

Open the Vue Pro app and connect to the camera. The app will read the camera's settings, then display the Firmware update message. Select "Yes" The Bluetooth light will flash purple for 30-45 seconds while it's updating, then the camera will re-boot. During this time, you'll see the Bluetooth disconnect message.
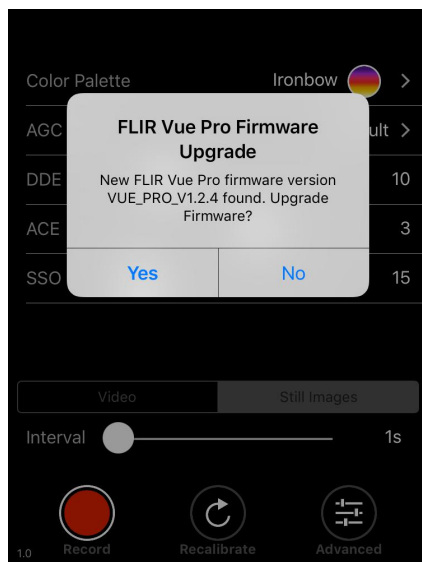
5 – Reconnect via Bluetooth

Once rebooted, reconnect your handset to the camera by selecting 'Yes' from the Bluetooth Disconnect dialogue. The camera should reconnect and present you with the Main screen. If you

previously selected 'No' in this dialogue you will need to force quit and restart the APP on your handset.

6 – Reset to factory defaults

Select the Advanced button in the lower left of the screen, then the About tab, and finally 'Reset to Factory Defaults' button. A warning box will be presented, please select 'Yes'. All the files on the micro SD card will be preserved, only the flash memory on the Vue Pro camera will be reset. This will ensure proper operation of the camera with the new firmware.

7 – Restore User Settings

From your notes in Step 1 reconfigure any Main, PWM or Accessory Port settings for your specific application.