

Viewlink Connection Instruction

For Viewpro Gimbal Cameras with Ethernet Output and Delivered after **May. 05, 2020**

1. PC end IP Settings

Set PC end IP to a **same network segment** as gimbal IP (BUT not same IP, means last number could not be the same as camera IP)

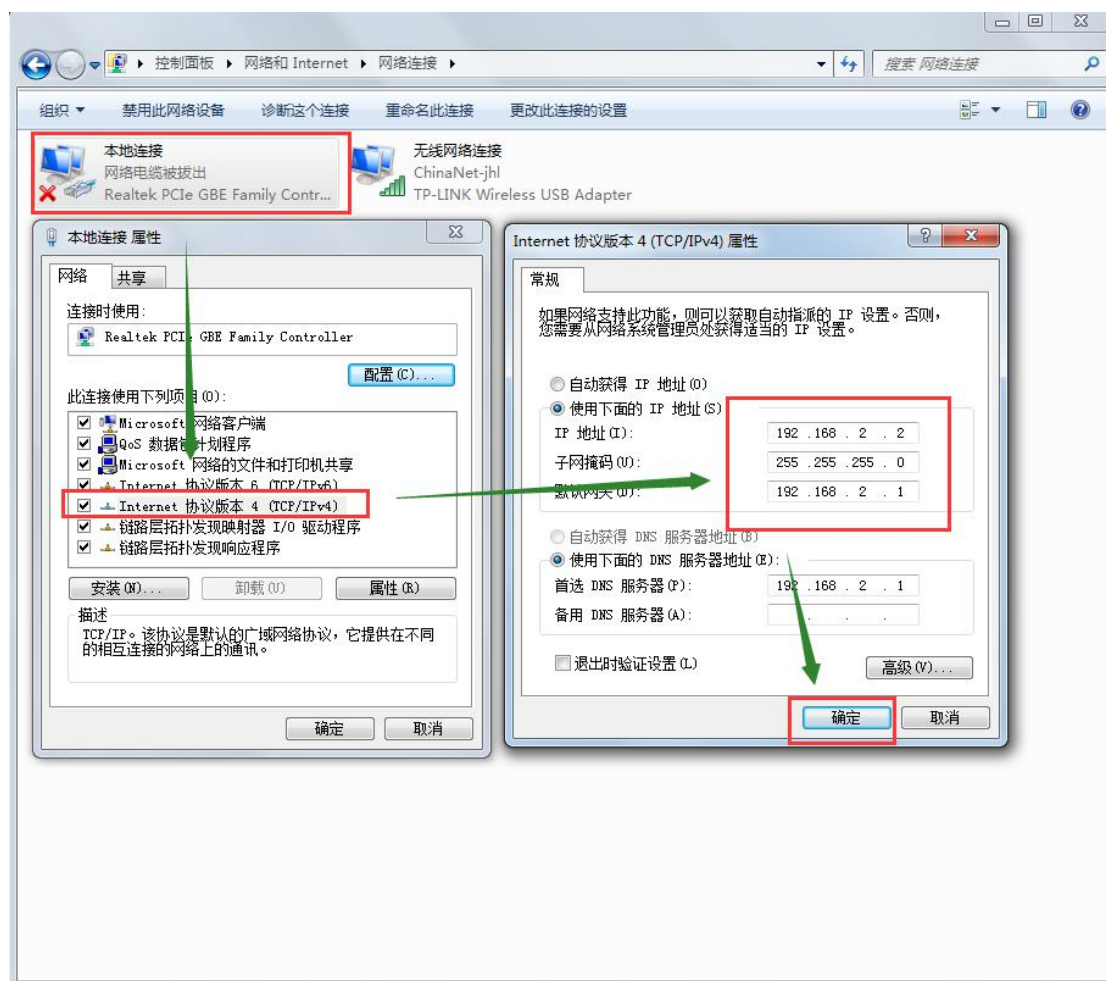
Eg: Gimbal IP address is: 192.168.2.119

PC end: IP address: 192.168.2.2 (Number 2 in red is the network segment)

Subnet mask: 255.255.255.0

Default gateway: 192.168.2.1

Note: The actual IP address of your camera please refer to the sticker on gimbal or ask your dealer.



2. Viewlink Control Settings

1) Connect the Viewpro gimbal camera to PC (via video transmitter and data link if necessary) with Ethernet and USB to TTL cable, and power it on.

P.S.: Your gimbal camera support TCP control. If serial port control is not necessary, no need to connect USB to TTL cable.

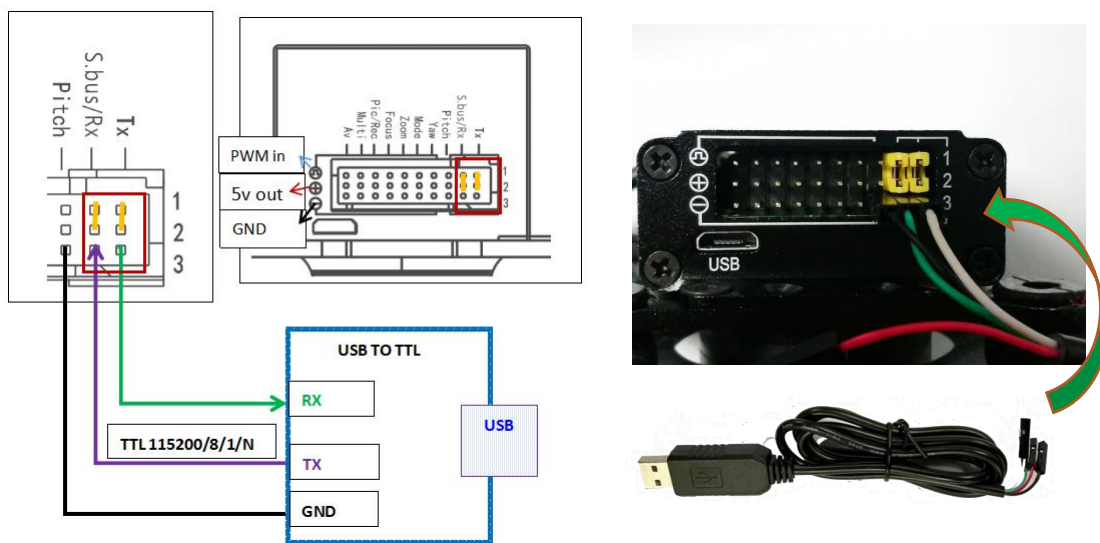
Connection method for **USB to TTL** cable with gimbal and PC

Black wire GND ----- Gimbal GND

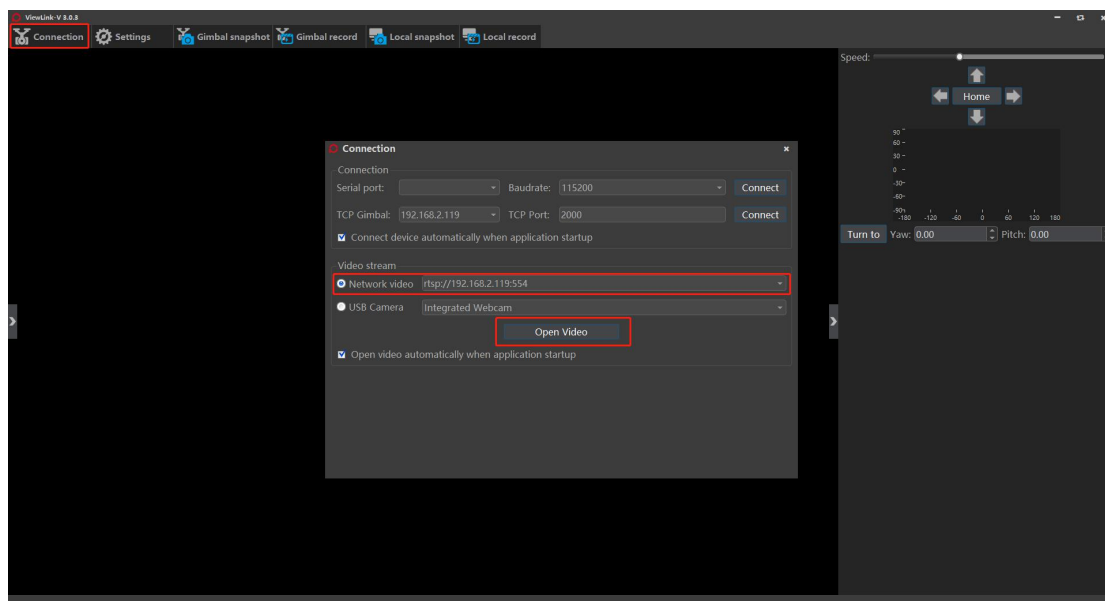
Green wire TX ----- RX silk printed on the gimbal controller Z-3D

White wire RX -----TX silk printed on the gimbal controller Z-3D

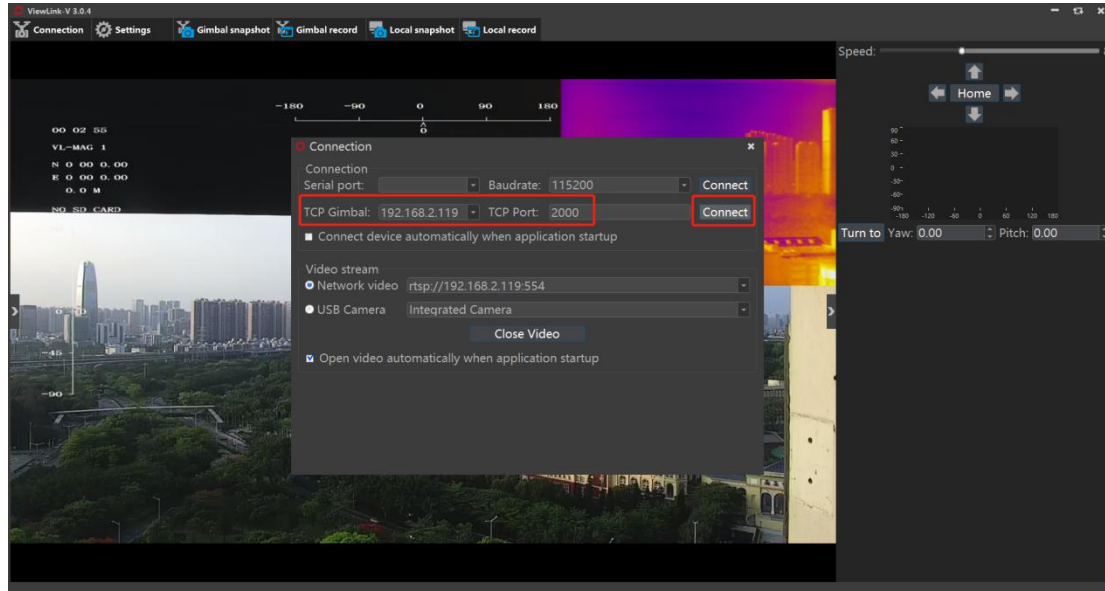
Default baud rate: 115200



2) Open software **Viewlink**. Input IP address such as: **rtsp://192.168.2.119:554** below **Video-Network**, click **“Open Video”** then image appears.



- 3) You can control the gimbal and camera via Serial port or Gimbal TCP.
 - ① a. Serial port control: Enter correct COM port and baud in **Serial port** sector
 b. TCP control: Enter correct gimbal IP in **TCP Gimbal** sector
 - ② Enter the PI address or select the Serial port COM#, click “**Connect**”
 - ③ Close the Connection interface to start control.



Note: *Under Serial port control or TCP control, you can also use Joystick to control: Connect the Joystick in Settings and then set the channels.

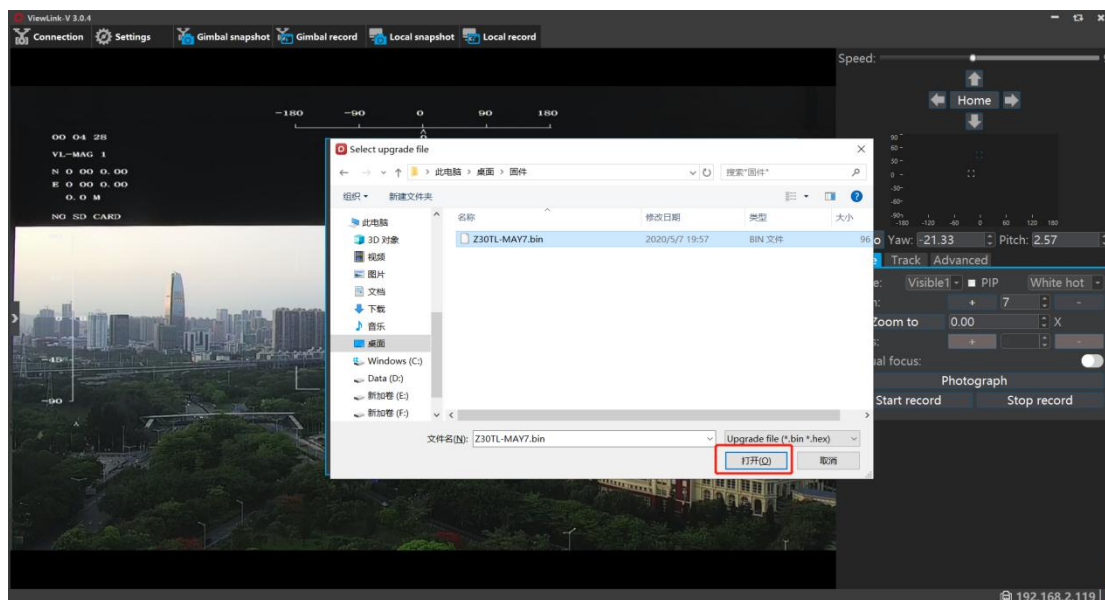
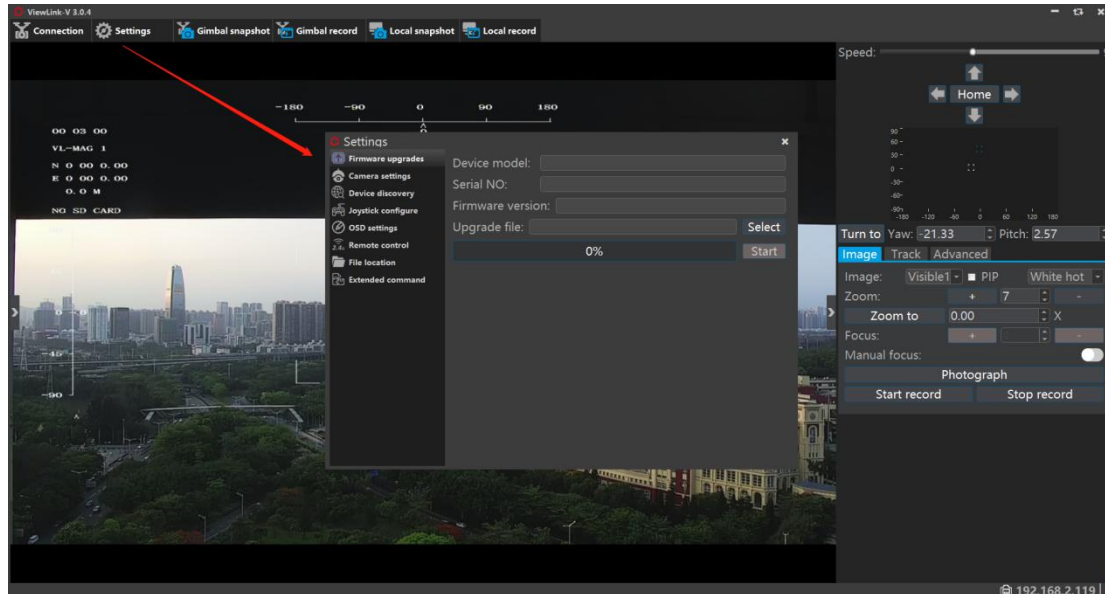
*If you connect both serial port and TCP at the same time, the serial command will be executed first.

3. Settings:

With Viewlink, you can do settings for the camera directly, parameter configurations, firmware update... connect the serial port to do the settings.

1) Firmware update:

Click on **Select** to choose the .bin firmware file, click **Open** and then **Start** to start upgrade. You will see the upgrade progress on the screen.



2) Camera settings:

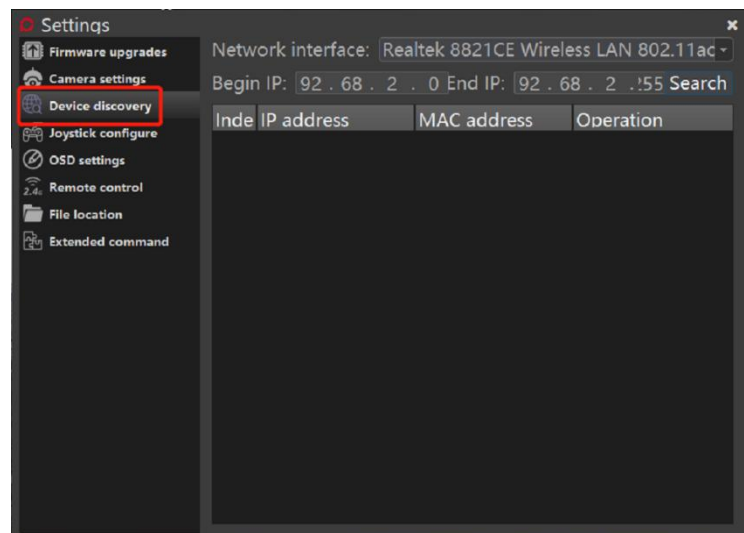
Connect with IP output to do camera settings.

Device state: You will see the camera current IP input and output frame rate and resolutions, device software version from this sector.

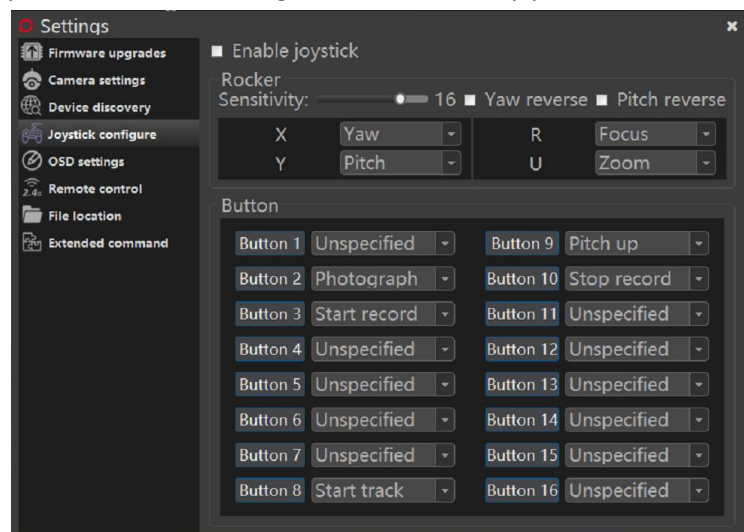
Video configuration: You can set the video resolution, frame rate, bit rate, encode package formate, video stream protocol type, video save format.

IP settings: You can change the IP address

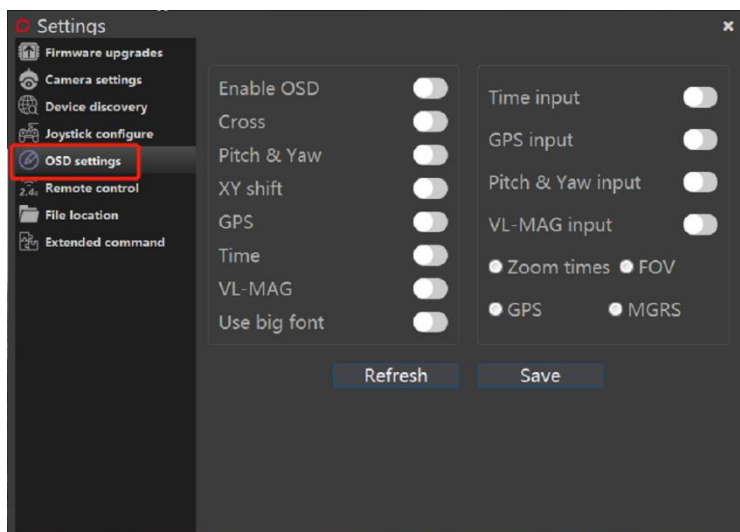
To discover the IP address of the device



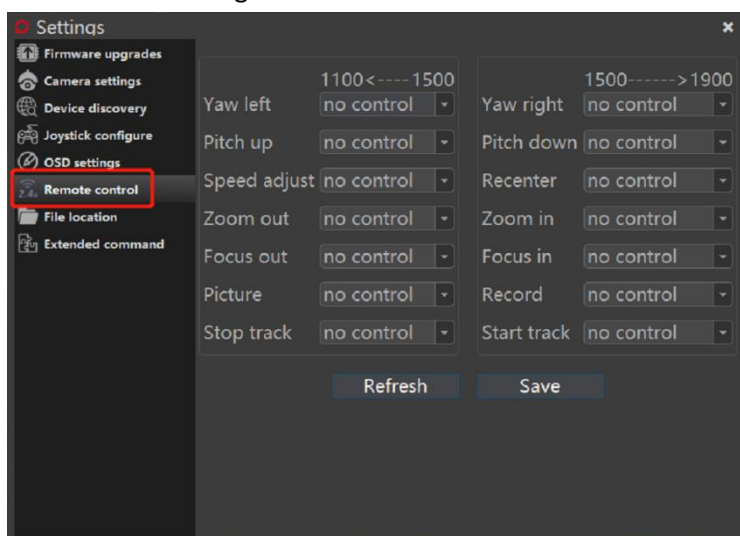
Connect the Joystick to PC, then configure the channels by yourself.



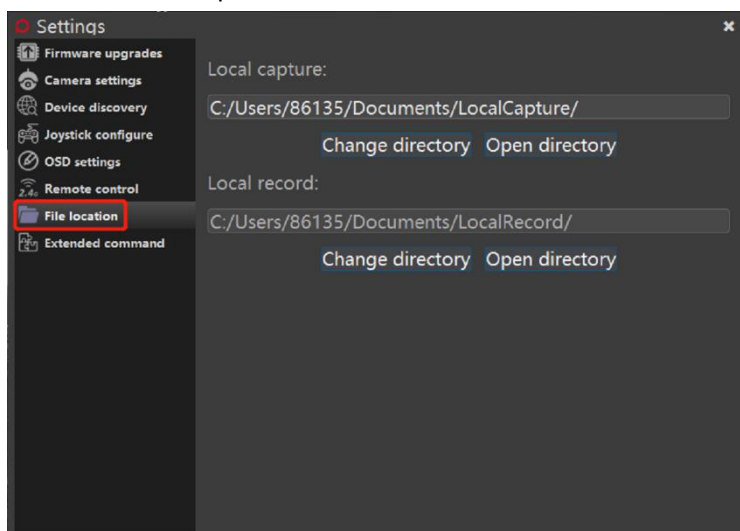
5) OSD settings:



6) Remote control: channel settings



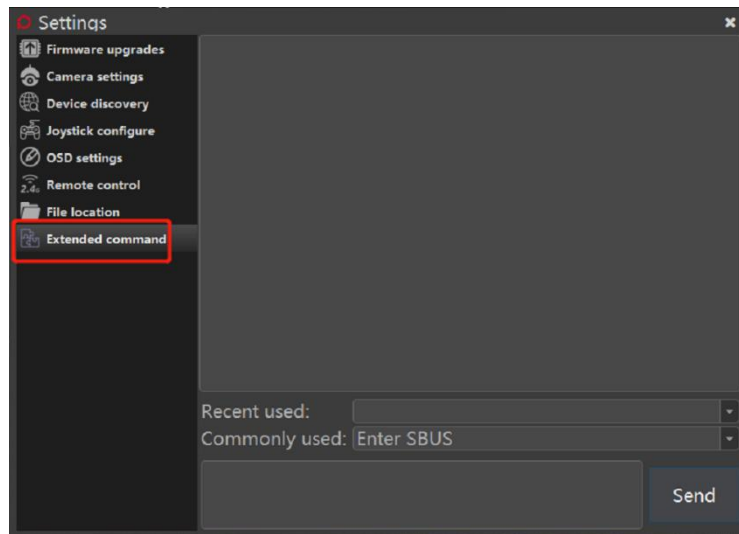
7) File location: set the local snapshot and local record file location



8) Extended command:

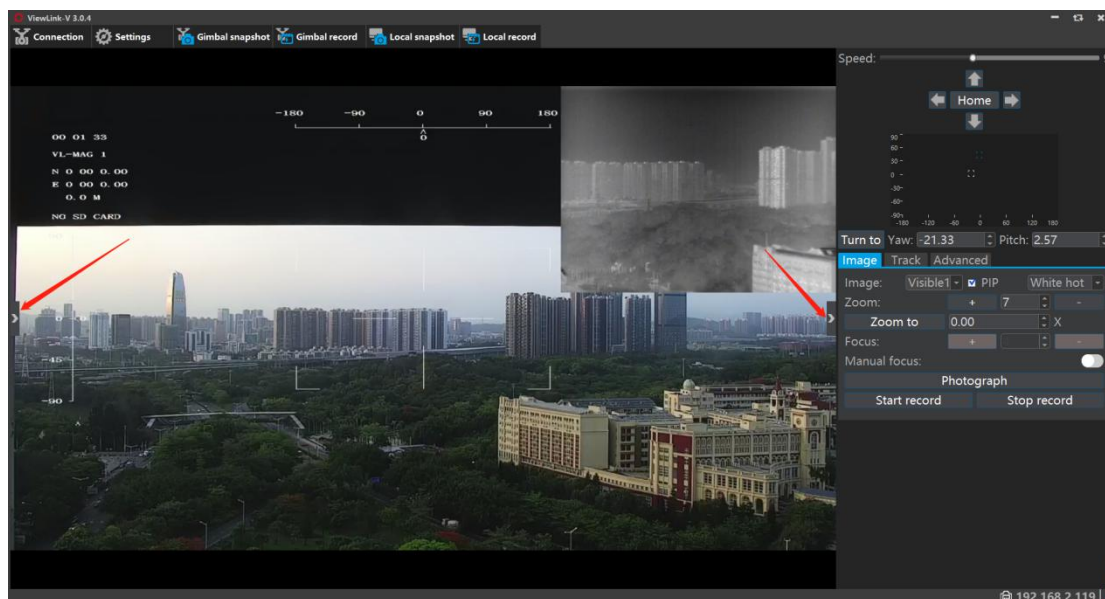
Viewlink can be used as a serial command setting tool. For some functions that Viewlink GUI

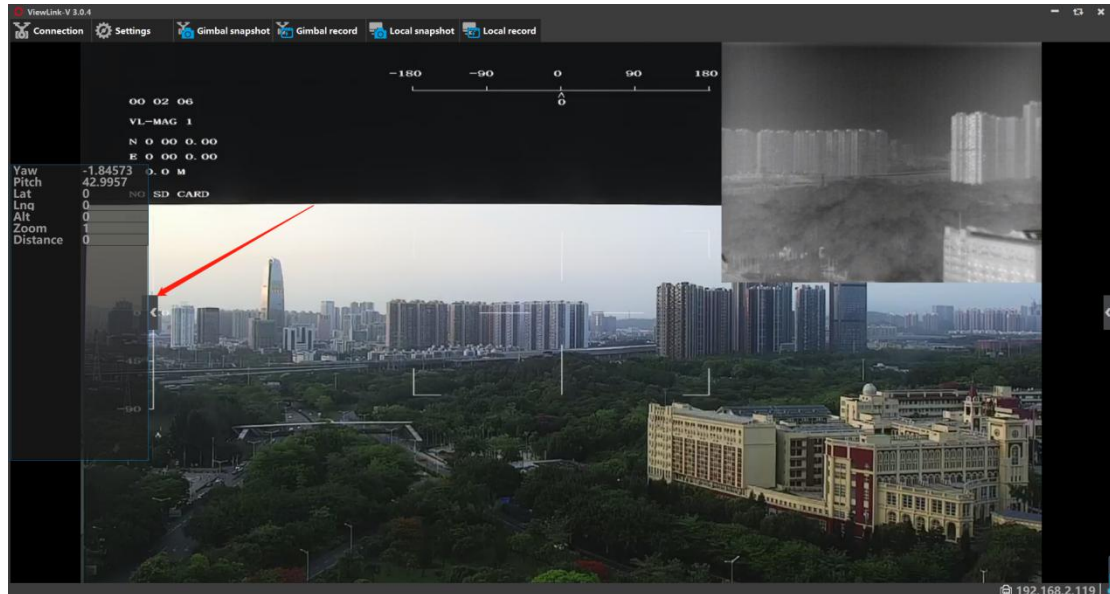
does not provided, you can send commands to the gimbal and camera directly.



Tips:

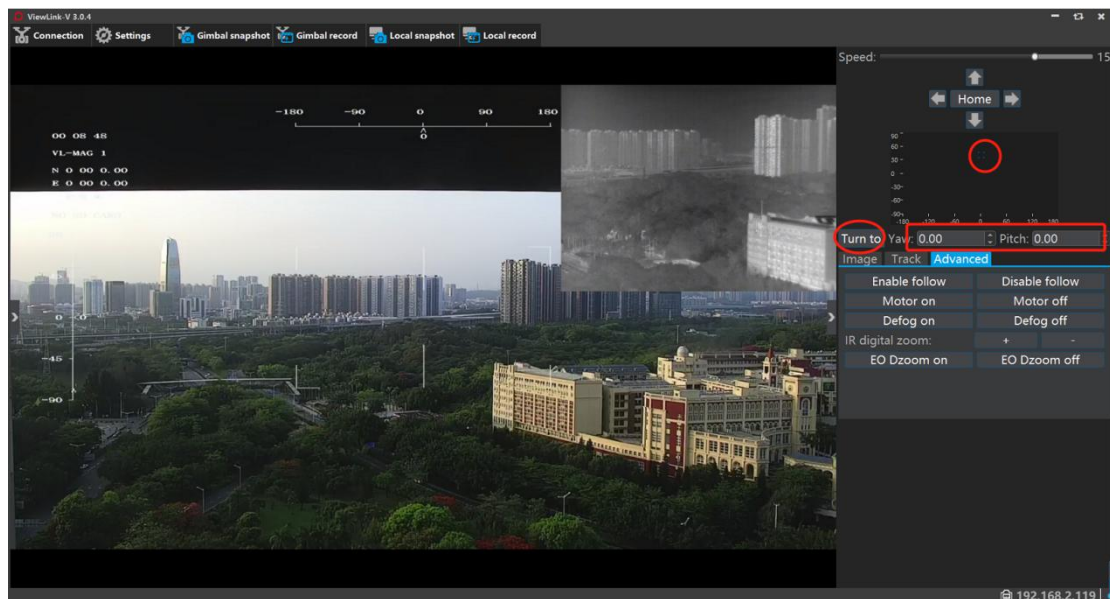
1. Click on the left side arrow button to show real time data, even when you set to hide all OSD. But the picture and videos will not show this information. Just for real time information.
2. Click the right side arrow can display video in full screen.



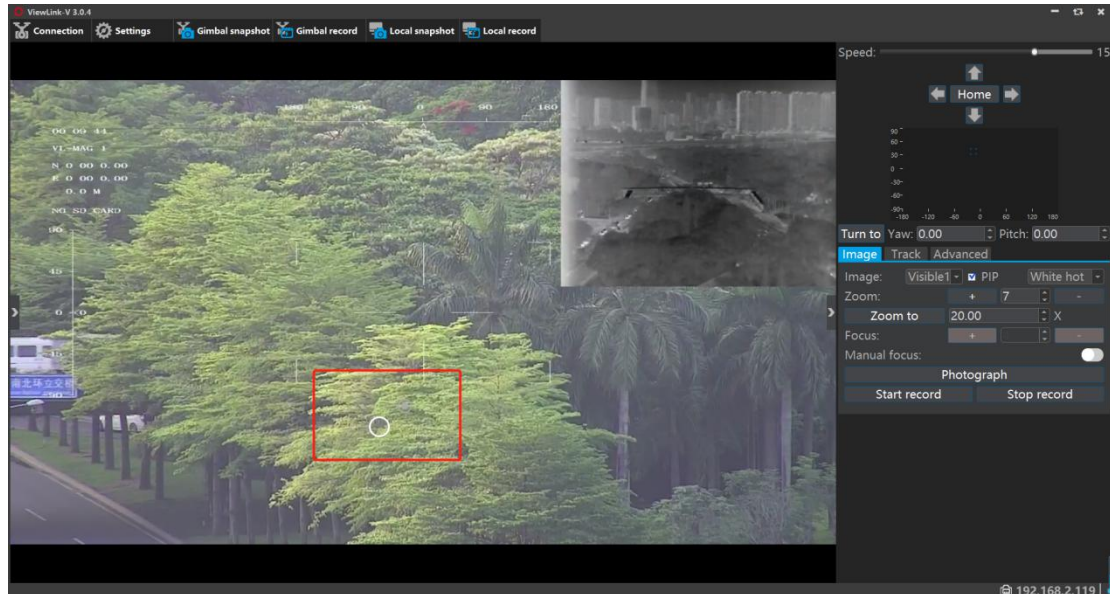


3. Viewlink will recognize the Viewpro gimbal cameras automatically after connected control method and the control interfaces will be various according to different models with different functions.

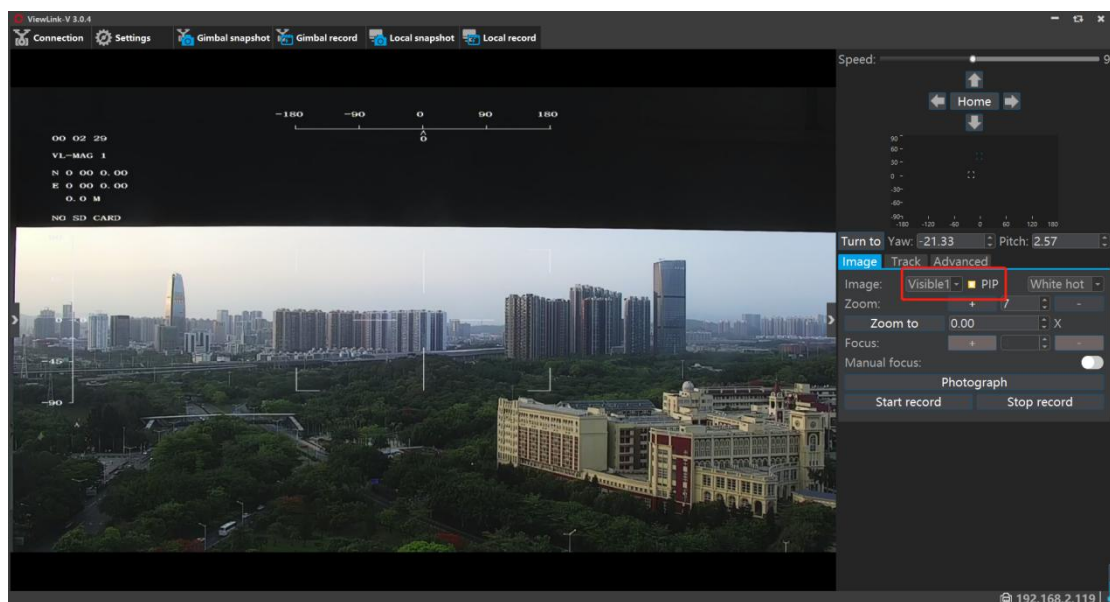
4. Choose a coordinate in the small window, or input a certain Yaw and Pitch value, then click on **Turn to**, the gimbal will go to the specified angle directly.



5. Long press can drag the gimbal to the target position directly.



6. Video switch: to change dual sensor image form (refer to actual camera functions): IR+EO or EO+IR (PIP), EO only or IR only, 2K (for cameras with 2 EO + 1 IR)



7. Start track and Stop track: can also double click to start track and right click to cancel track. You can choose the track template size according to object size to get more accurate tracking.

