

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.

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USB Camera Integrated Webcam	
Open Video	
Open video automatically when application startup	

- 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 Clost 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, firmwae 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.

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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

Firmware upgrades	Connect					
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3) Device discovery:

To discover the IP address of the device



4) Joystick configure:

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

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Device discovery	Sensitivity:	•== 1	6 🗖	Yaw reve	rse 🔳 Pitch rev	verse		
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2.4c Remote control								
File location	Button							
ਕਿੰਾ Extended command	Button 1	Unspecified -		Button 9	Pitch up	-		
	Button 2	Photograph		Button 10	Stop record	•		
	Button 3	Start record		Button 11	Unspecified			
	Button 4	Unspecified -		Button 12	Unspecified	$\mathbf{\overline{P}}$		
	Button 5	Unspecified -		Button 13	Unspecified			
	Button 6	Unspecified -		Button 14	Unspecified			
	Button 7	Unspecified -		Button 15	Unspecified			
	Button 8	Start track -		Button 16	Unspecified			



5) OSD settings:

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6) Remote control: channel settings

Settings						×
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or Camera settings		1100<15	00		1500>19	00
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🚔 Joystick configure	Pitch up	no control		Pitch down	no control	
OSD settings	Speed adjust	no control		Recenter	no control	
File location	Zoom out	no control	•	Zoom in	no control	
ि Extended command	Focus out	no control		Focus in	no control	
	Picture	no control		Record	no control	
	Stop track	no control		Start track	no control	
		Refresh		Save		

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.

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Firmware upgrades			
충 Camera settings			
Device discovery			
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2.4 Remote control			
File location			
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			Send

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.



