Installation and setup of IR imager and visual camera in iSpy software

It is possible to use software to display the image from the infrared camera on a screen together with the image from the visual camera. The following describes how to set up both cameras via the USB server and a LAN connection.

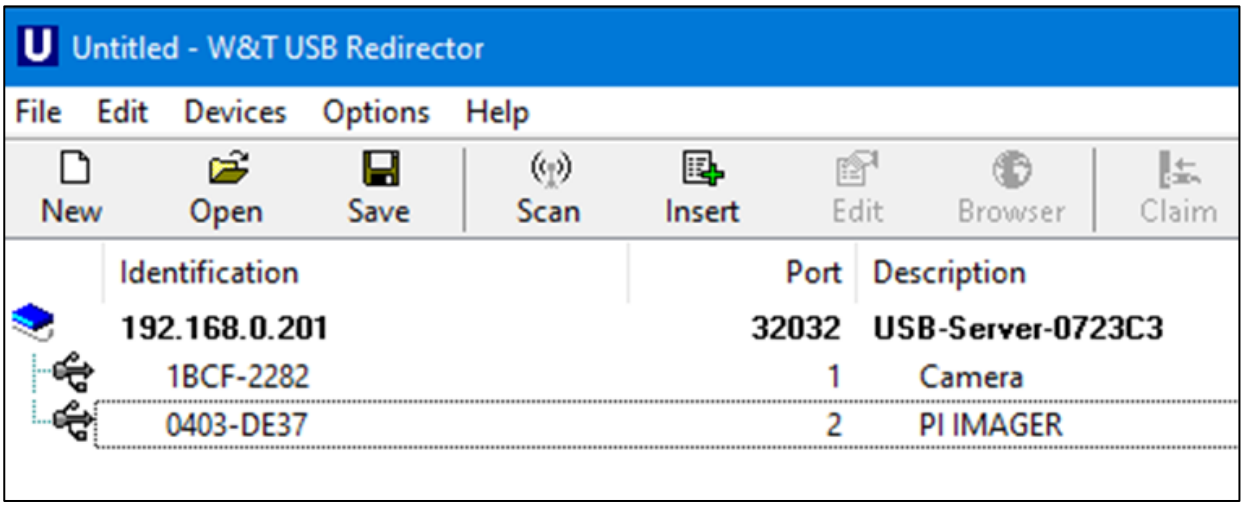
The IR and VIS cameras can be integrated using various freely available software programs (freeware), e.g. ***Security Eye*** (www.security-eye-software.com) or ***iSpy***. The integration for ***iSpy*** from Softonic is explained below - you can download this software here: https://ispy.de/softonic.com
Note: The use of ***Security Eye*** or ***iSpy*** is just a recommendation - Optris does not guarantee that these software products will function correctly when used with our IR and VIS cameras.

Steps **1** to **4** describe the installation of the software and the integration of the two camera images in the software.
Step **5** describes the automatic start of the ***iSpy*** software with the two camera images after restarting the computer.

Proceed with the steps as follows:

1. Connect the LAN cable to a PoE-enabled switch, the switch must be in the same network as the computer.

2. Start the supplied software “Configure USB Port Redirector”. The USB server with the connected devices is now recognized.



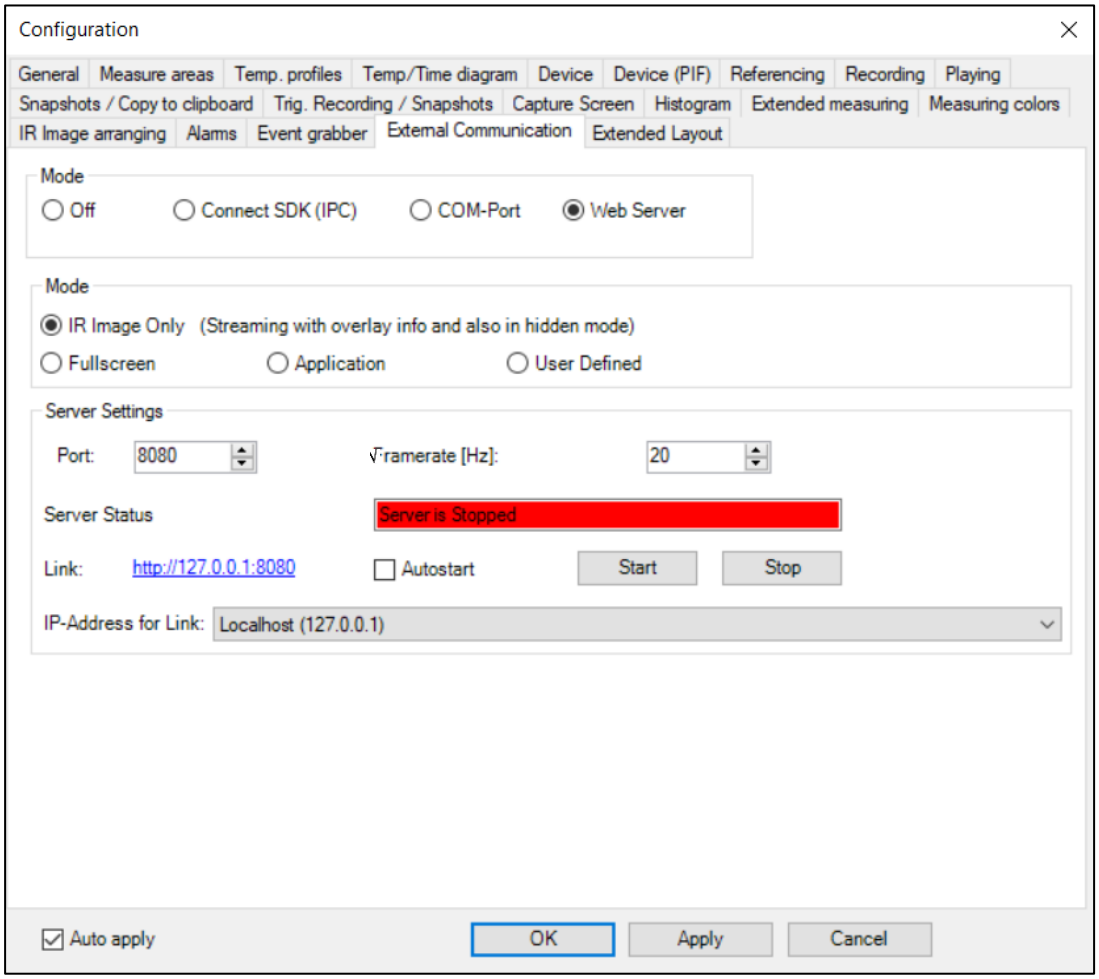
   a. Right-click on **Camera** and click on **mount device, advanced**
   b. A query appears: **When and how long do you want to use the device?** Mark**: permanent** and click on **OK**
   c. Repeat steps a and b for **PI IMAGER** as well

3. Start the ***PIX Connect*** software and set up the connection with the IR camera

a. Connect the IR camera via **Devices → Enable Ethernet**

b. The following settings are required to get the IR image via the web server. To do this, click on **Extras → Configuration** and make the following settings:

- Under the tab **External Communication** select the **Webserver** mode
- Mode: **IR Image only**
- **Port:** any (remember)
- tick **Autostart**
- click **Start** to run the server, the Server status changes to "*Server is running*" and the server status bar turns green
- click **OK**



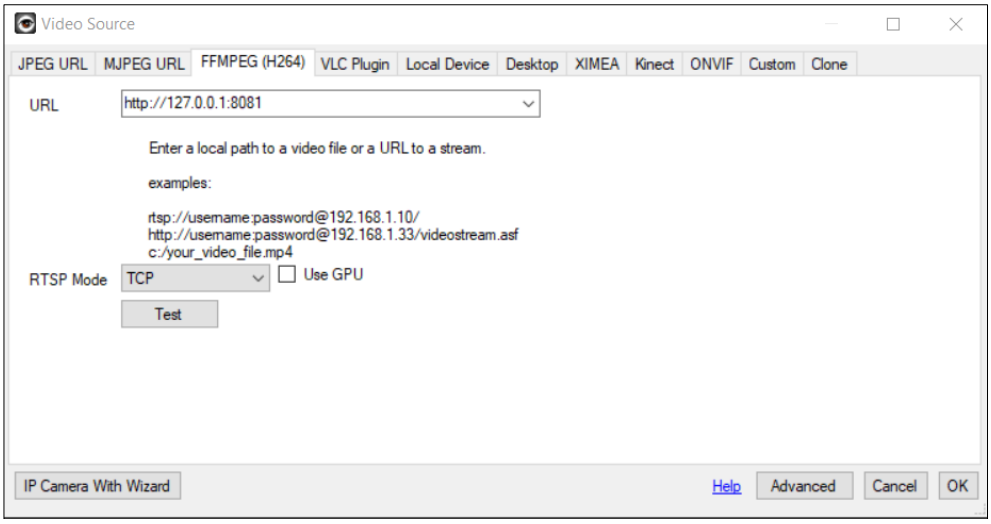
The IR image can be called up via a browser via the link address with the port number.

4. Installation and starting ***iSpy***

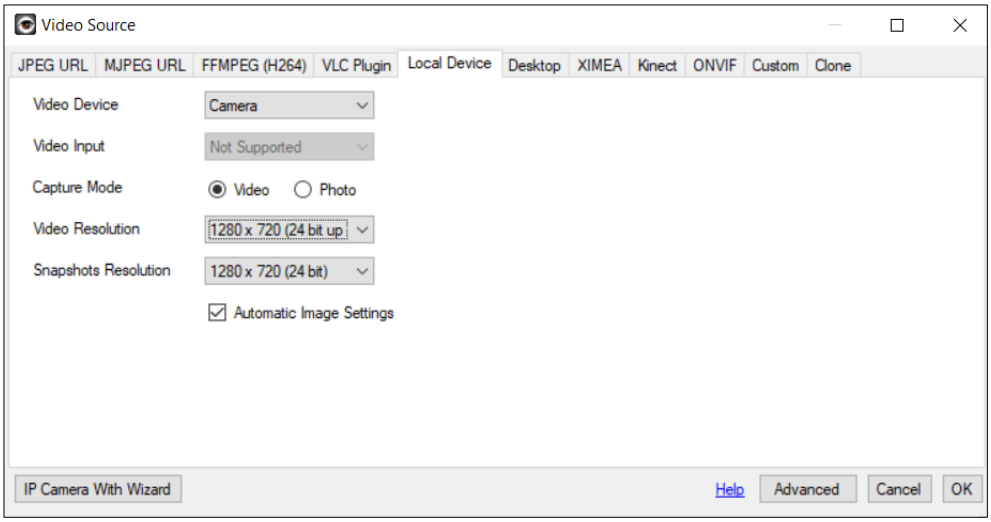
a. Install and start the software ***iSpy*** on your computer.

b. Now integrate the IR image of the IR camera into the software: Click on **Add → IP Camera**

c. Under the tab **FFMPEG (H264)** at URL please enter the IP-adress with the portnumber in the format **http://IP-adress:portnumber**, click on **OK** and on **Finish**



d. Now integrate the visual camera ein, click on **Add → Local Camera**
Under the tab **Local Device** you can select the maximum **Video Resolution** of 1280 x 720 pixels.



5. The ***PIX Connect*** software must be running in the background so that the IR image is displayed on the web server. Follow steps **a**. and **b**. to start ***PIX Connect*** automatically and in the background.

a. Copy the ***PIX Connect*** shortcut to the startup folder
   i. Take the startup folder via: **WINDOWS-button + R** : and enter **shell:startup** in the command line

b. Right-click the shortcut and add the following to **Target**: **[space]/nosplash /invisible**, example here: "*C:\Program Files (x86)\Optris GmbH\PIX Connect\Imager.exe" /nosplash /invisible*

If you want ***iSpy*** to start automatically after restarting the computer, you can also create the ***iSpy*** link in the autostart folder.