

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: <u>https://ispy.de/softonic.com</u> **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.

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	Ide	Identification				Port	Description	
٠	192	192.168.0.201				2032	USB-Server-0	723C3
÷	¢	1BCF-2282	2			1	Camera	
6	ł	0403-DE37	7			2	PI IMAGER	

- 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

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- 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

Configuration				×
General Measure areas Temp. profiles	Temp/Time diagram D	evice Device (PIF)	Referencing Recording	g Playing
Snapshots / Copy to clipboard Trig. Record	ding / Snapshots Capt	ure Screen Histogram	Extended measuring	Measuring colors
IR Image arranging Alarms Event grabber	External Communicat	ion Extended Layout		
Mode	-	-		
Off Connect SDK (IPC)	O COM-Port	Web Server		
Mode				
IR Image Only (Streaming with over	lay info and also in hid	lden mode)		
O Fullscreen O Applicati	on OU	ser Defined		
Server Settings				
		20		
Port: 8080	V-ramerate [Hz]:	20	-	
Server Status	Server is Stopped			
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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

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💽 Video S	ource											\times
JPEG URL	MJPEG URL	FFMPEG (H264)	VLC Plugin	Local Device	Desktop	XIMEA	Kinect	ONVIF	Custom	Clone		
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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.

Video Source										×
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- 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.

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