



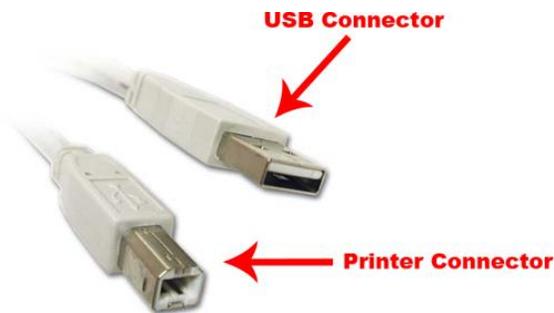
SANIRIS P-iris lens controller Version 2.

SANXO-Systems Ltd

www.sanxo.eu



The **SANIRIS** P-iris lens controller is designed to work with P-iris lenses. This product makes the industrial digital cameras applicable for surveillance or other (mostly outdoor) purposes, which would otherwise call for a higher dynamic range. The SANIRIS controller has a compact size of 80x42x28mm and it is connected to the PC via USB. Using this serial line, the iris of the lens can be adjusted precisely with fine steps sending simple commands. Depending on the P-iris lens the maximum number of steps can be set and saved on the eeprom memory. Also the start-up position of the P-iris lens can be set and saved. The printer type USB printer connector should be used to connect the device to the PC. It does not require additional power supply. Note: the package does not include any cable.



Regardless of the type of the camera the SANIRIS is communicating with the PC application via RS232. It has the most common FTDI chip which converts the USB to serial communication. It works with Linux and it works with Windows. Windows automatically recognizes the FTDI chip and makes the installation. It might require network connection to use the latest driver set for the FTDI chip.



How to control the P-iris lens from your software?

First open a COM port with the following settings:

38400 Baud, 8,N,1

COMMANDS:

u {n} - microstep to n, $n = 0..253$ && $n < x$

(example: u 124)

SETTINGS:

x {N} - set the maximum step (opened position)

s - store ALL the settings

DEBUG (check the manual before use):

c - close the iris, set 0 point

, - microstep minus (close)

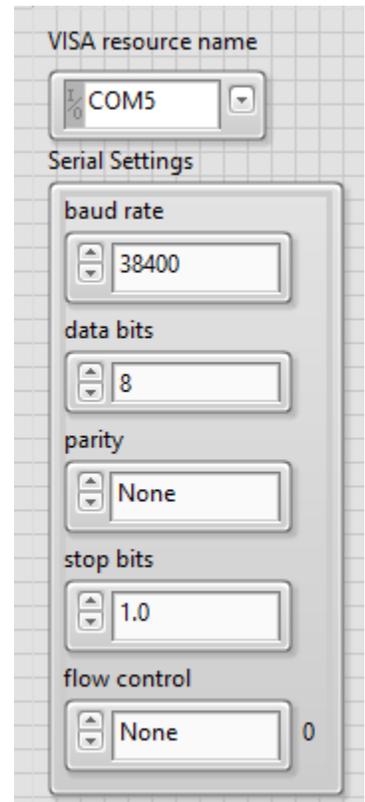
. - microstep plus (open)

d {n} - set the delay between iris steps (ms) $n < 250$

examples:

u 0 + cr + lf

u 21 + cr + lf



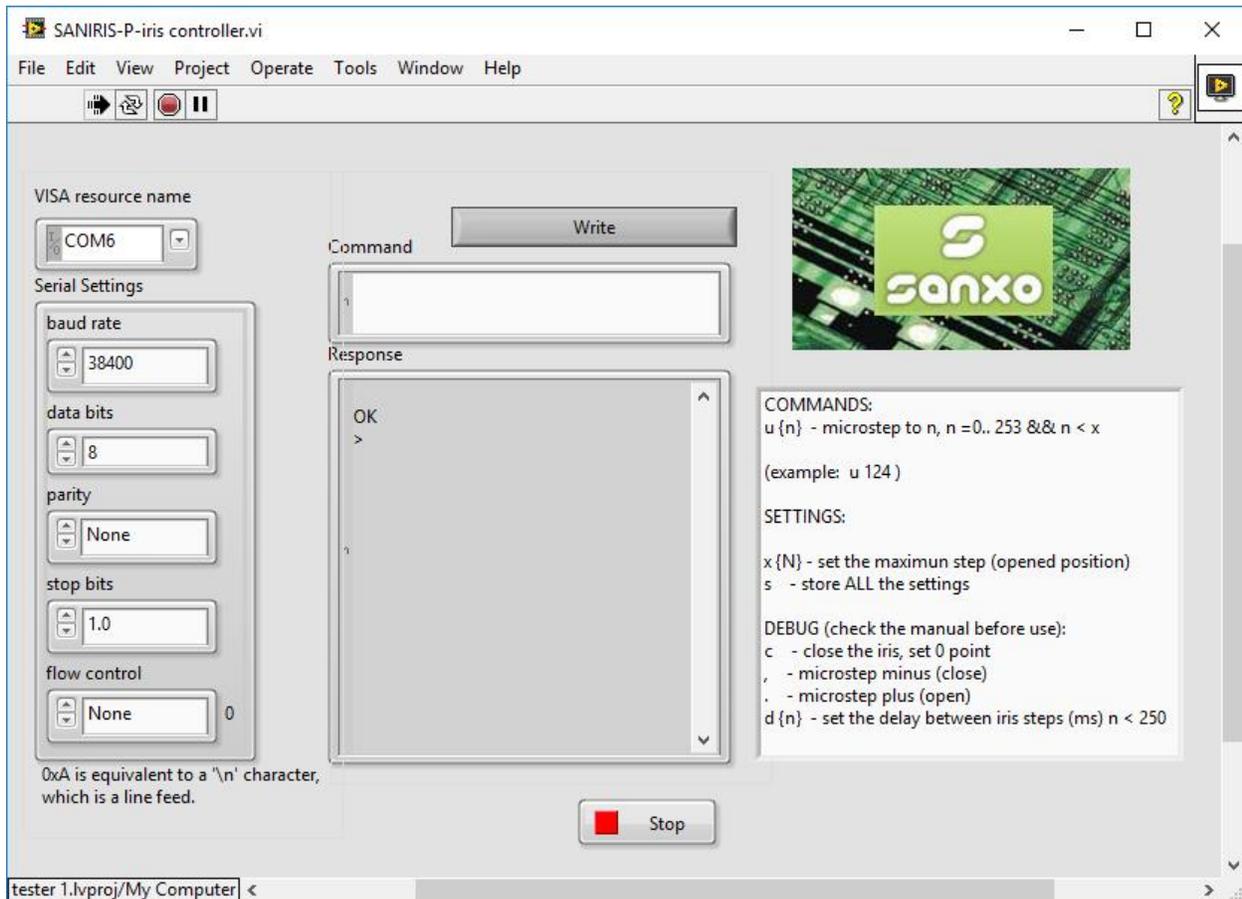


First time you connect the P-iris lens:

The first time you connect the lens you will hear that it automatically starts to work. First it automatically close the iris then it opens it to the already saved position.

How many steps it takes from close iris to open iris?

Every type of P-iris lens differs regarding the number of steps from close to open position. Using the SANIRIS P-Iris lens controller the user can set and save the maximum steps. So the user can move the iris to absolute positions of the iris.



The response from the controller:

After each command the controller sends back the **OK** answer. If there is wrong command or invalid parameter the controller sends back the **ERR** answer.

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