From: Inscopix Support <support@inscopix.com>
Reply-To: Inscopix Support <support@inscopix.com>
Date: Wednesday, May 17, 2017 at 1:33 PM
To: "Paquelet, Grace" <gp2512@cumc.columbia.edu>
Subject: Re: nVoke GPIO data

Hi again Grace :)

I actually chatted with Michele and have the instructions and script for you!

To run the attached script, please do the following:
1. Open up the command prompt (cmd.exe).
2. Copy the directory path of your nVoke install directory (for example, C:\Program Files\Inscopix\nVoke)
3. In the command prompt, type "cd [RIGHT CLICK TO PASTE YOUR DIRECTORY LOCATION HERE]" and hit enter. Don't include quotation marks or brackets – just remember to right-click to paste.
4. In the command prompt, type "env.bat" and hit enter. You should see a large block of text on your screen. This is normal.
5. Put the meta_decode.py script in the same location as the GPIO file you want to convert.
6. Copy the directory path where the meta_decode.py script and GPIO file are saved.
7. In the command prompt, type "cd [RIGHT CLICK TO PASTE YOUR DIRECTORY LOCATION HERE]" and hit enter.
8. In the command prompt, type "python meta_decode.py [INSERT NAME OF GPIO FILE HERE] output" and hit enter.

CSV File Column Headers – the list shown below are the headings for the columns in the CSV file

- The Running Counter rolls over at 255
- Seconds are total seconds from January 1, 1970 (UTC)
- Absolute accuracy depends upon the time of the PC when nVista was launched
- Relative time is accurate to 1 microsecond
- Power is only relevant to EX LED and OG LED in 0.1 * mW/mm^2
- GPIO Follow/Trigger
- Only relevant to OG LED
- Only relevant in GPIO Trigger or GPIO Follow mode
- Describes which GPIO was used to trigger OG LED event (0 = GPIO1, 1 = GPIO2, 2 = GPIO3, 3 = GPIO4)

To get your timestamps in relation to the start of the calcium recording, you can subtract each GPIO time stamp from the first SYNCH timestamp. If you scroll down in your excel file, you should see the sync timestamps following the GPIO timestamps. The first SYNCtimestamp is the timestamp for the start of the session.

Let me know how that works for you and we look forward to hearing more about your work with nVoke :)

Cheers,
Lara

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Lara Cardy
Customer Support Manager
Inscopix, Inc.
2462 Embarcadero Way

Palo Alto, CA 94303
650-646-3836
support@inscopix.com
www.inscopix.com