

# **Setting up your AquaCam with NearSync**

This is the second of three instructions to get your AquaCam set up and running.

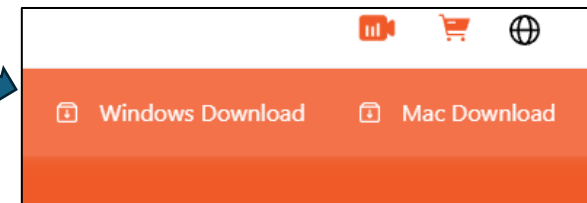
We will now load camera software onto your computer and make some basic settings which OSB can use when we open it again.

The HD camera in your new AquaCam has adjustable settings for :

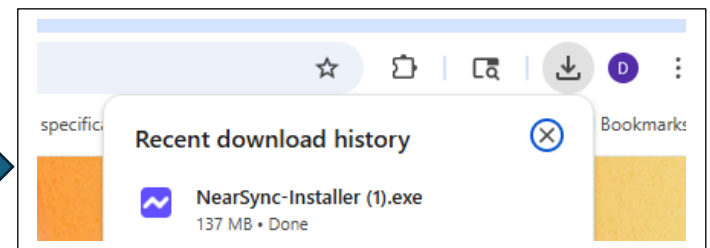
- Frame Rate: 60 FPS with 1080p (30 w/2K)
- Auto Focus: Yes or No
- Field of View: Choice of 60, 75, or 90 degrees
- Resolution: 1080 w/60 FPS works best to start.

## Instructions:

1. Make sure the OBS program is closed.
2. Have the AquaCam by the computer but do not plug it in yet.
3. Now load NearSync software so the recording program (OBS) can best use it.
4. Go to <https://nearstream.us/NearSync> (type this into the URLs bar at the top, not the search bar) and download.



5. Wait a few seconds for the download to show. If it doesn't, click the download icon and click the installer.
6. Say **Yes** to allow the app to make changes, then **Next**, then **I agree**, then **Install**.



7. Close the download window to see the window below.
8. Now **PLUG IN your AquaCam**, wait 10 to 15 seconds, and you will see your VO2AF camera appear on the screen. **CLICK IT**.

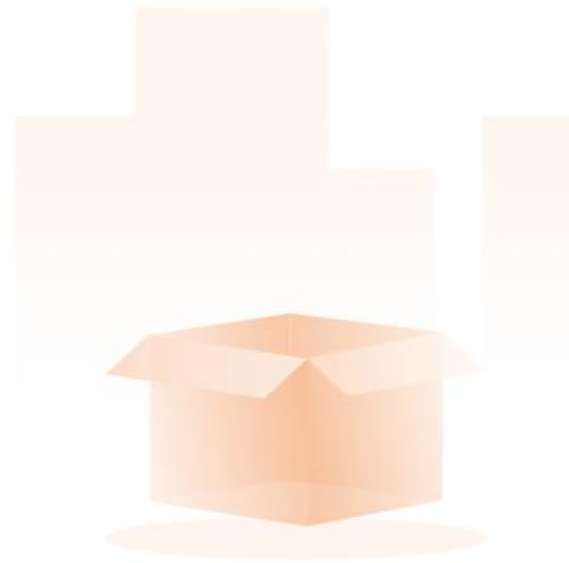
THIS WILL APPEAR. CLICK ON IT.

NearSync



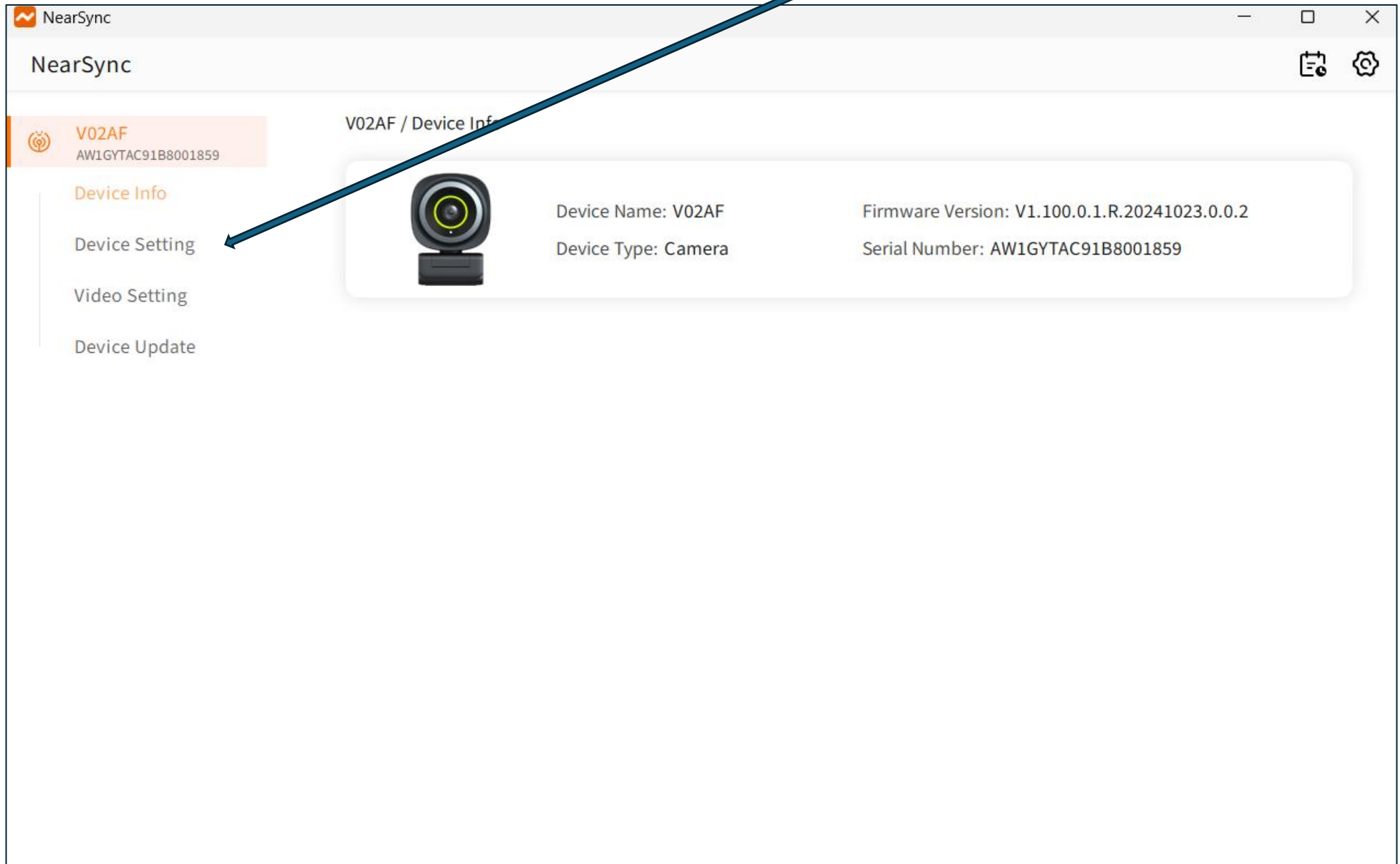
V02AF

AW1GYTAC91B8001859



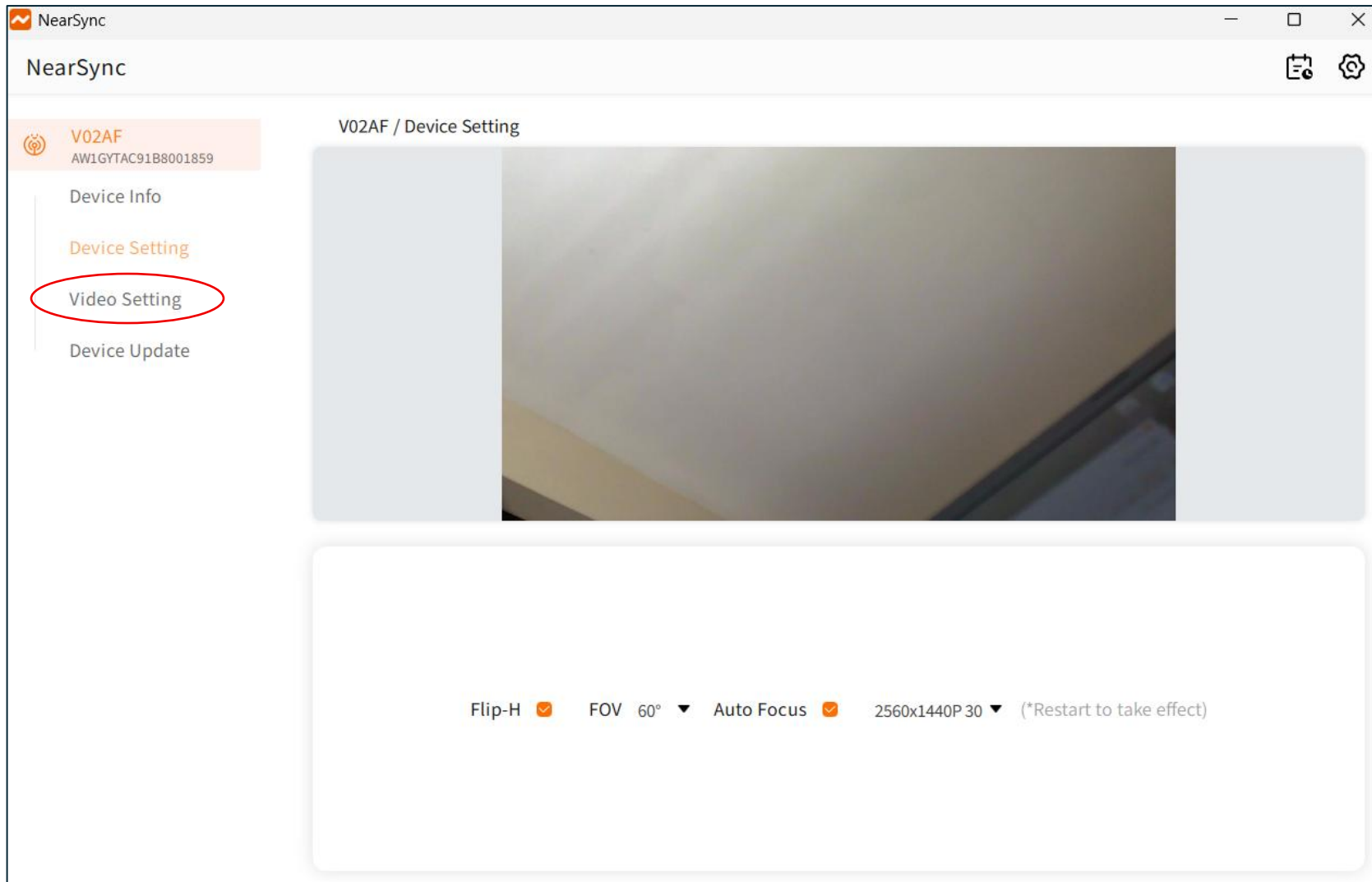
The menu below will appear.

**Device Info** gives specs for your camera. Now click on **Device Setting**.



Your camera is now live and will show some pre-set settings. Turn **Flip-H OFF**. Set your **FOV at 60 degrees** to start. **With Auto Focus ON**, point your camera to a large object about 12 to 15 feet away. **When it is in focus, turn Auto Focus OFF\***. Select the down arrow next to the resolution setting and select **1920x1080p at 60 FPS** to start with. (Although there are more pixels, the 2K resolution is only 30 FPS, needs a faster processor, takes up more file storage, shows no difference when showing on a small screen, and only slight difference when playing back on a large screen. Start with the 1080p at 60 fps FIRST, then play with the 2K (1440p) when you are comfortable using the system. **Now click VIDEO SETTING.**

\*Depending on the lighting and the speed of the swimmers, Auto Focus can be turned on or off depending on how it works for your situation. Keep it OFF for now. We will go over using it later.



Keep the default settings for **Saturation, Brightness, Contrast and Hue** in place at this point. (When you begin using your AquaCam at the pool you may want to tweak it a bit.

Now **Turn ON the Auto White Balance**. Set the Frequency(y) to **60Hz if you are in North America** (and to 50 Hz if you are in Europe.) At the pool it will take a few minutes to adjust the S-B-C-H settings to your desired likeness, based on your pool lighting, but your settings should be kept after that. Now **click Device Update**.

The screenshot shows the NearSync application window. The title bar includes the NearSync logo and standard window controls. The main interface has a sidebar on the left with a list of settings: Device Info, Device Setting, Video Setting (highlighted in orange), and Device Update. The main content area is titled 'V02AF / Video Setting' and features a live video feed of a pool. To the right of the video feed are two buttons: 'Reset' and 'Refresh'. Below the video feed, there are two panels of settings. The left panel contains four sliders: Saturation, Brightness, Contrast, and Hue, all set to 128. The right panel contains a White Balance slider set to 0, an 'Auto White Balance' toggle switch that is currently turned off, and a 'Frequency' section with two radio buttons: 50Hz (selected) and 60Hz.

NearSync

V02AF / Video Setting

V02AF  
AW1GYTAC91B8001859

Device Info

Device Setting

Video Setting

Device Update

Reset

Refresh

Saturation 128

Brightness 128

Contrast 128

Hue 128

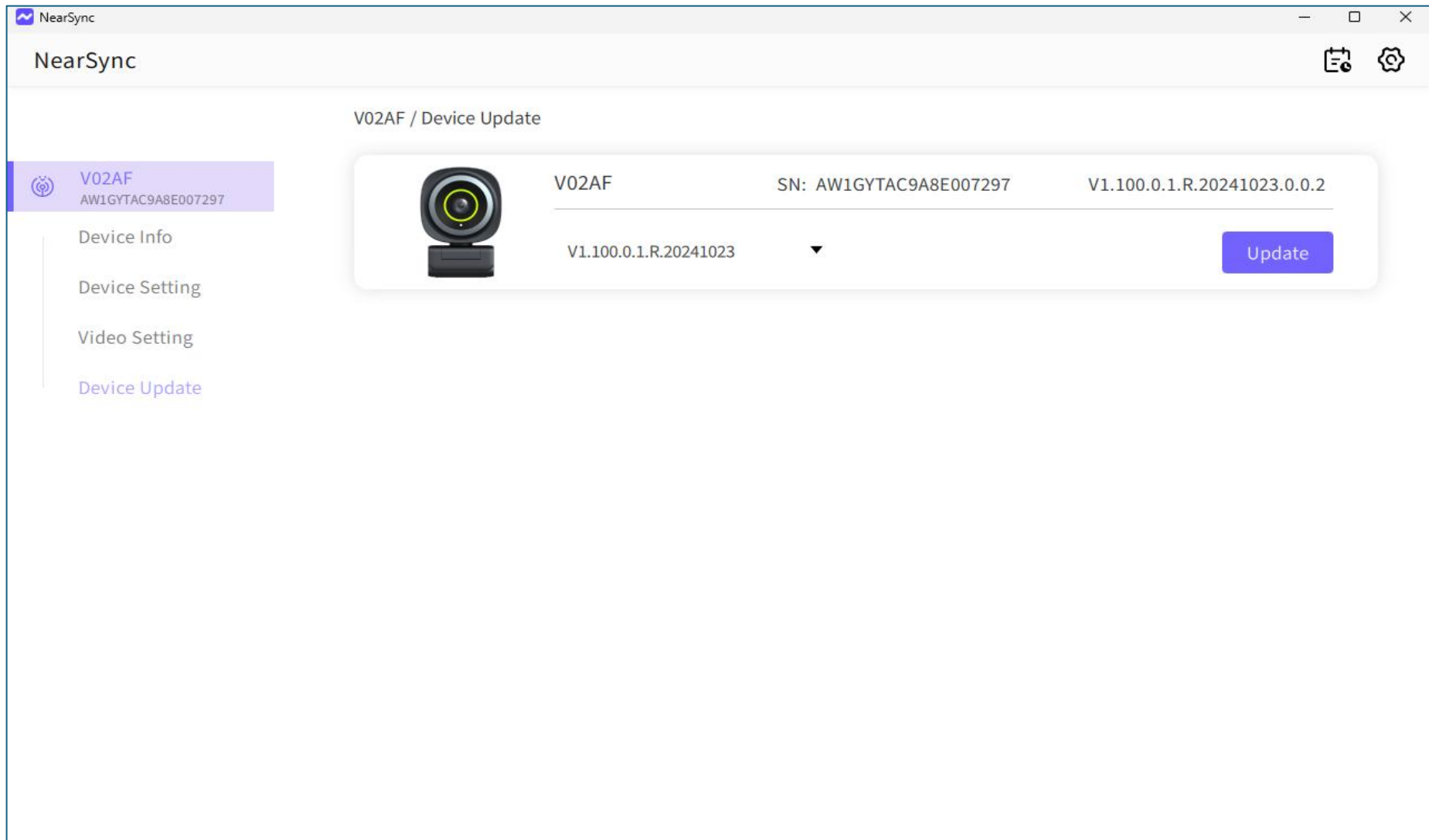
White Balance 0

Auto White Balance

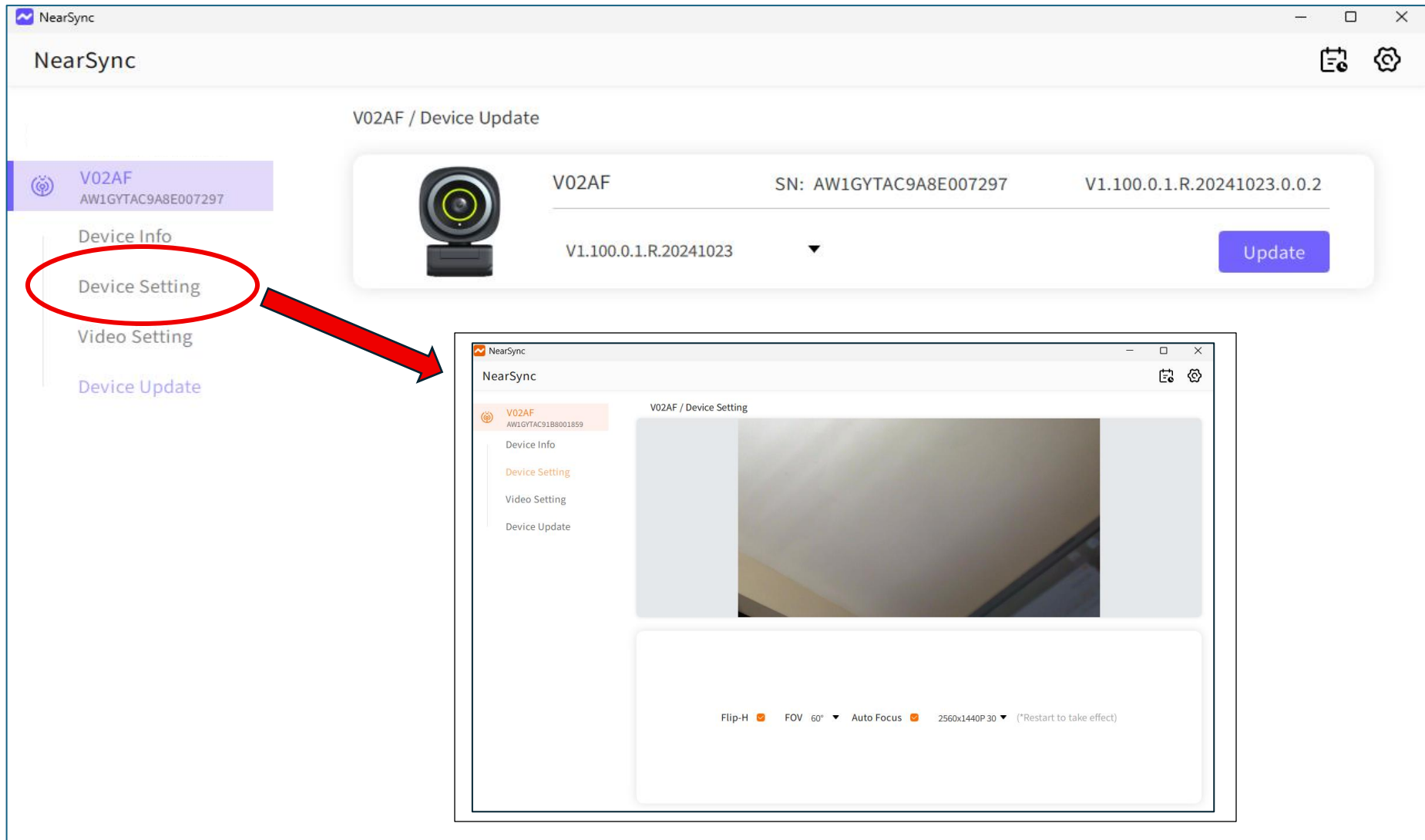
Frequency ☒ 50Hz ☐ 60Hz

Click **UPDATE** this initial time. You will not need to do it again. After the update completes, check your settings again to make sure they have not changed. We have already registered the device so you do not have to do so.

When the update is complete, check the Video Settings and Device info to make sure they have not changed.



NOW CLICK “**Device Settings**” again in the menu ON THE LEFT, which give you a screen with video on it (inset).  
You want to close out of the program with the video showing on the screen.





Close out of the program by clicking the X at the top right and the following prompt will appear. Click **Confirm**.

**LEAVE THE AQUACAM PLUGGED IN** and follow the third set of instructions for “ ” on the instructions page.

