Setting up your AquaCam with NearSync

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

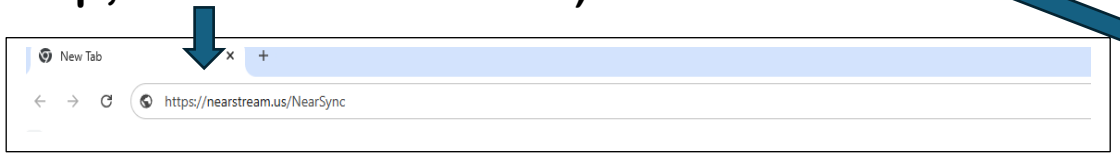
We will now load camera software onto your computer and make some basic settings which OSB can use when we open it again.

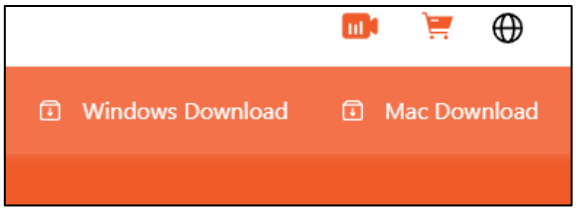
The HD camera in your new AquaCam has adjustable settings for :

- **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.**

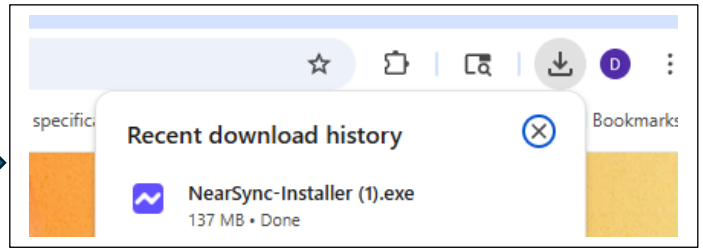
Instructions:

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.) Now download.**



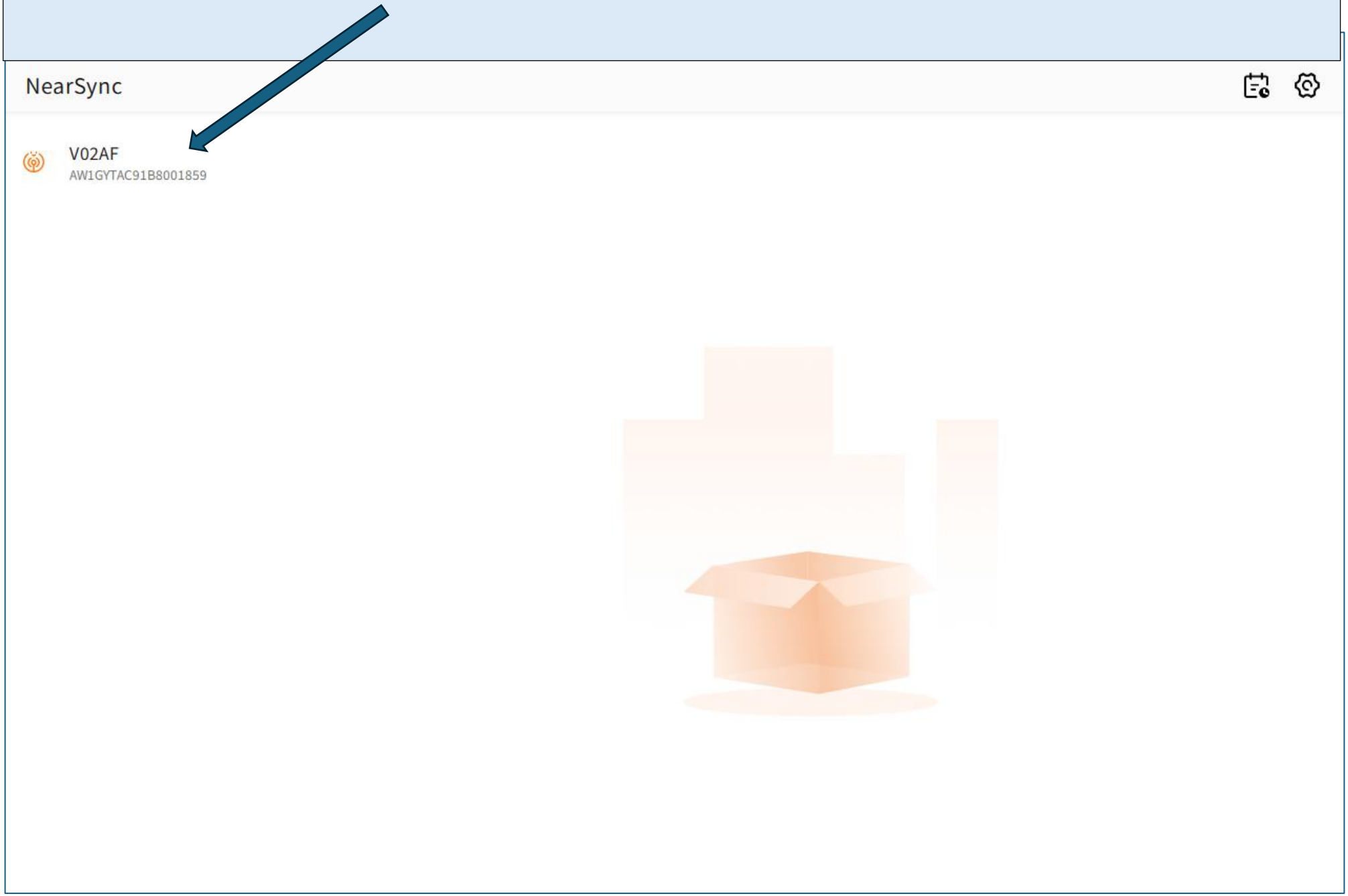


5. **Wait a few seconds for the download to show. If it doesn't, click the download icon and click the installer.**



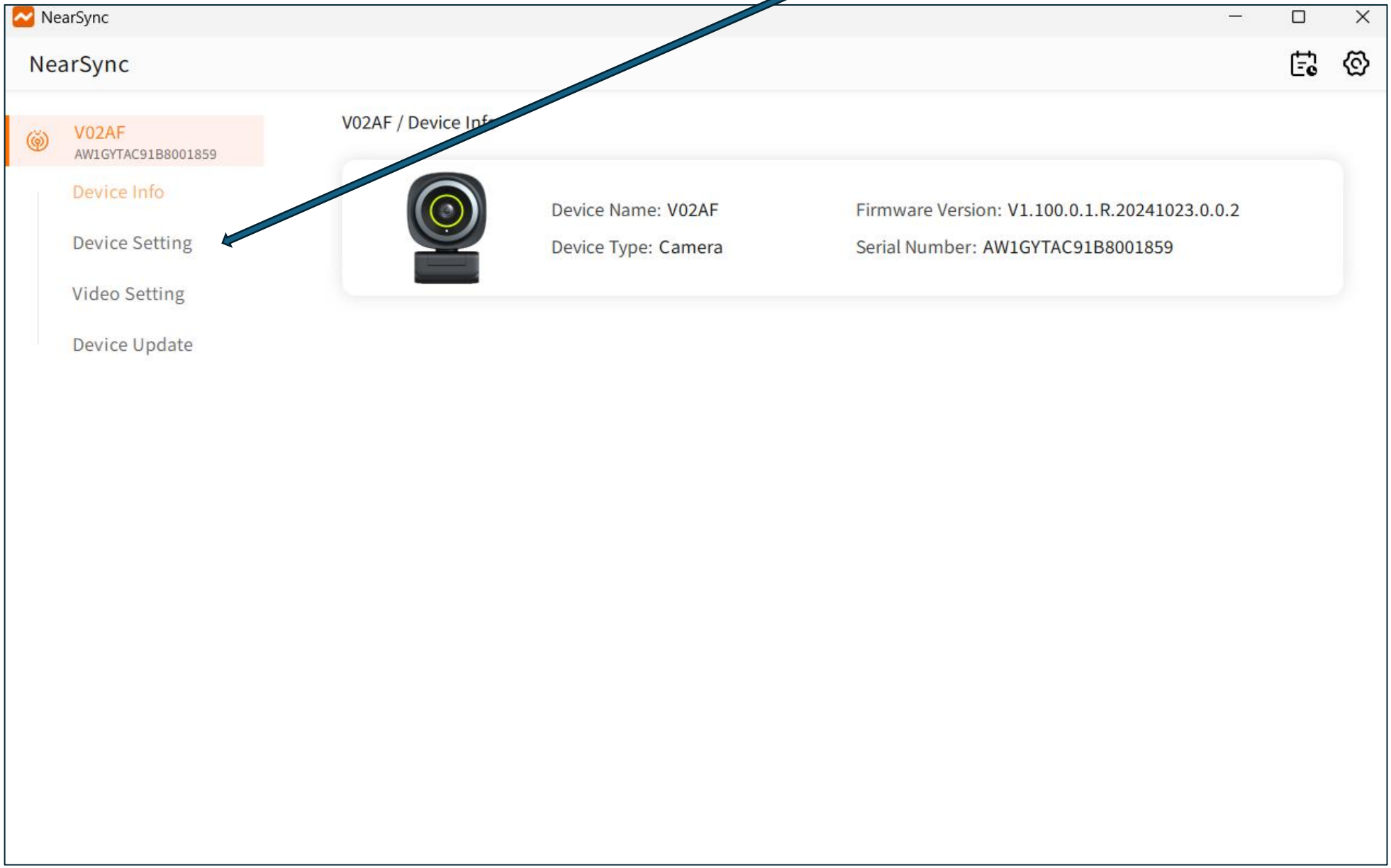
6. **Say Yes to allow the app to make changes, then Next, then I agree, then Install.**
7. **Close the download window to see the window below.**
8. **Now PLUG IN your AquaCam, wait 10 to 20 seconds, and you will see your VO2AF camera appear on the screen. (screenshot below)**

THIS WILL APPEAR. CLICK ON IT.



The menu below will appear.

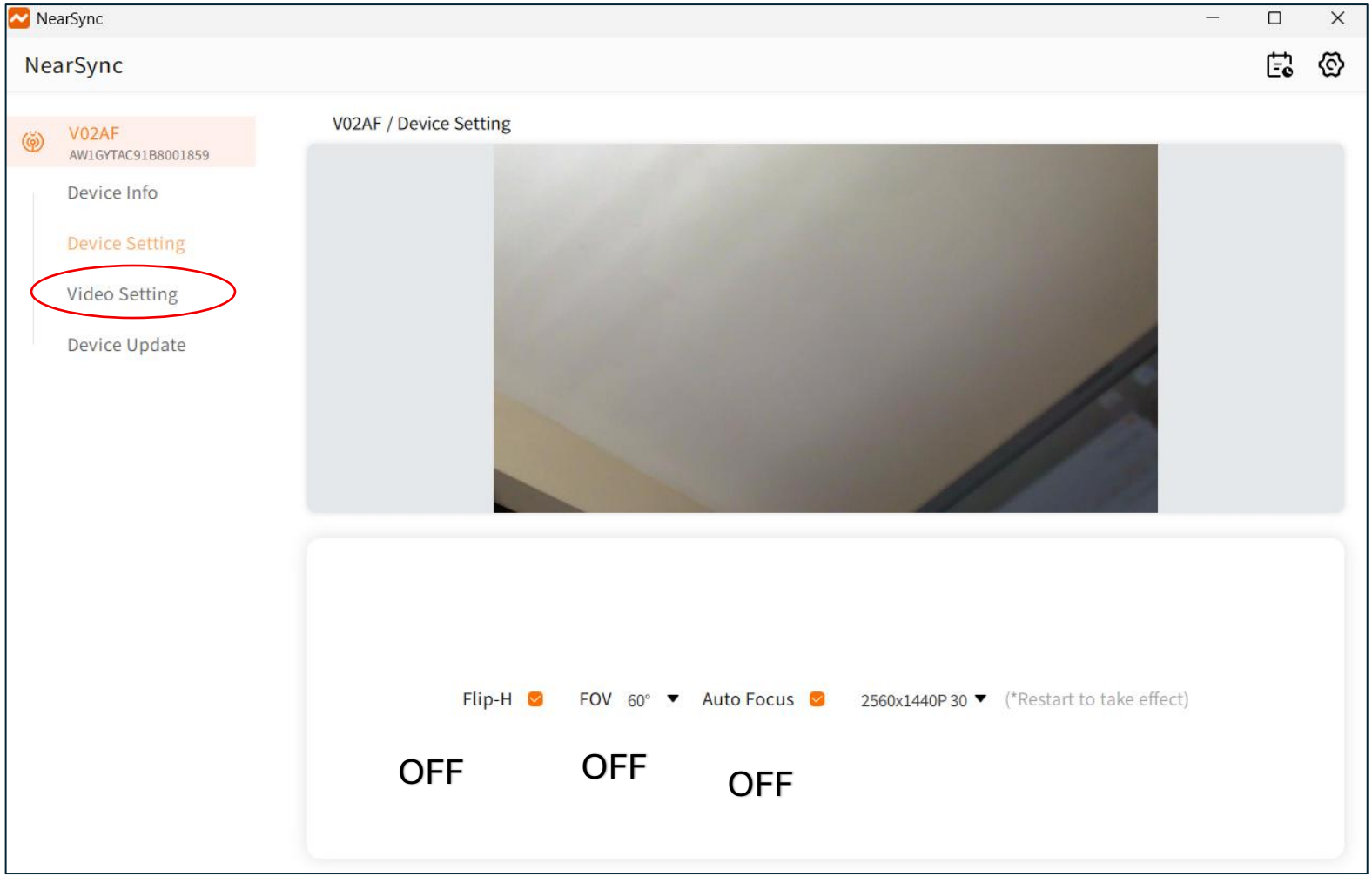
Device Info gives specs for your camera. Now click on **Device Setting.**



Your camera is now live and will show some settings. If they aren't already set, turn **Flip-H OFF**. Set your **FOV** (Field of Vision) to MAX. **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.

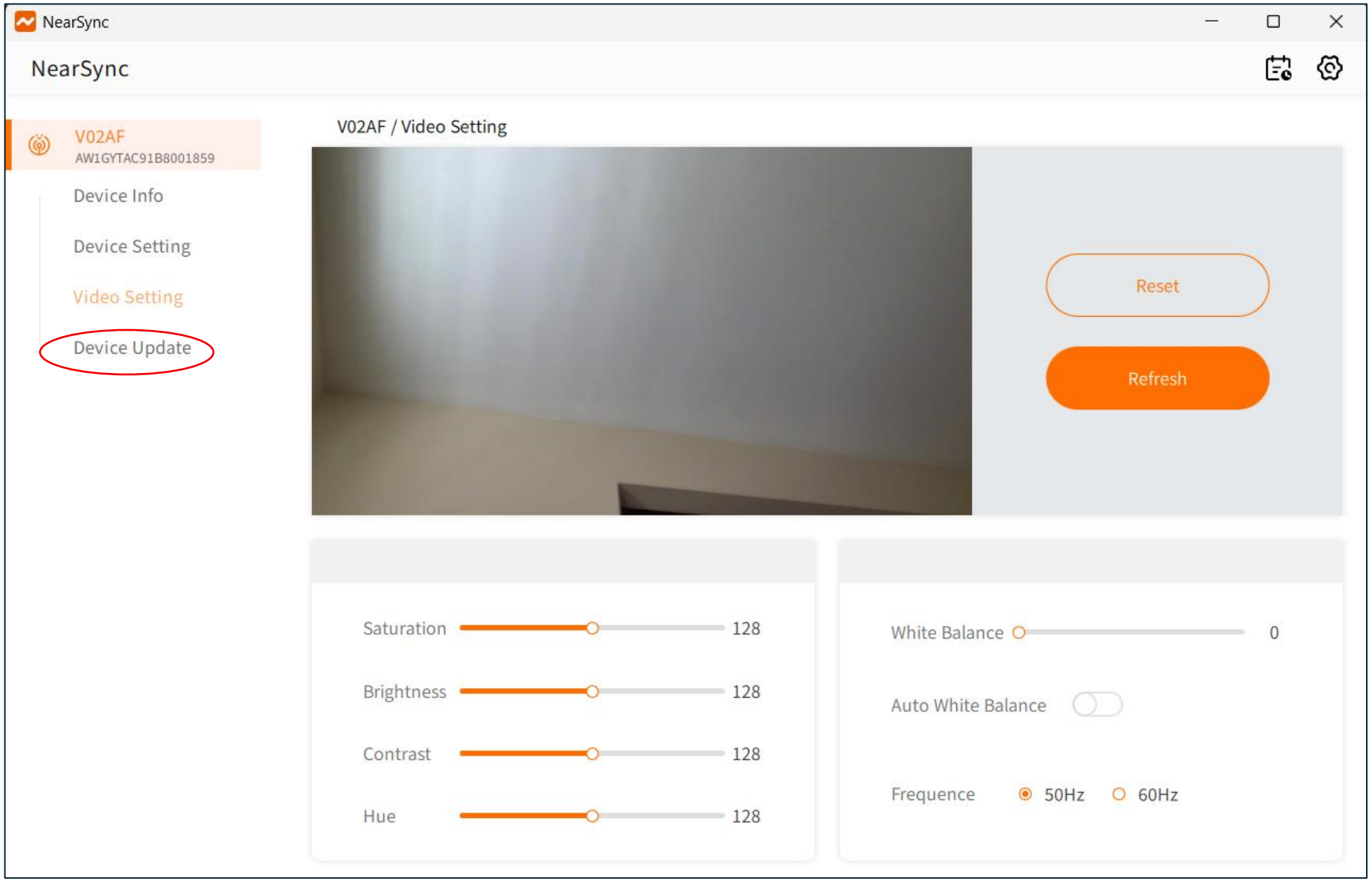
Now **click VIDEO SETTING.**

*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 because you have set focus for a distance which covers 4 feet to infinity

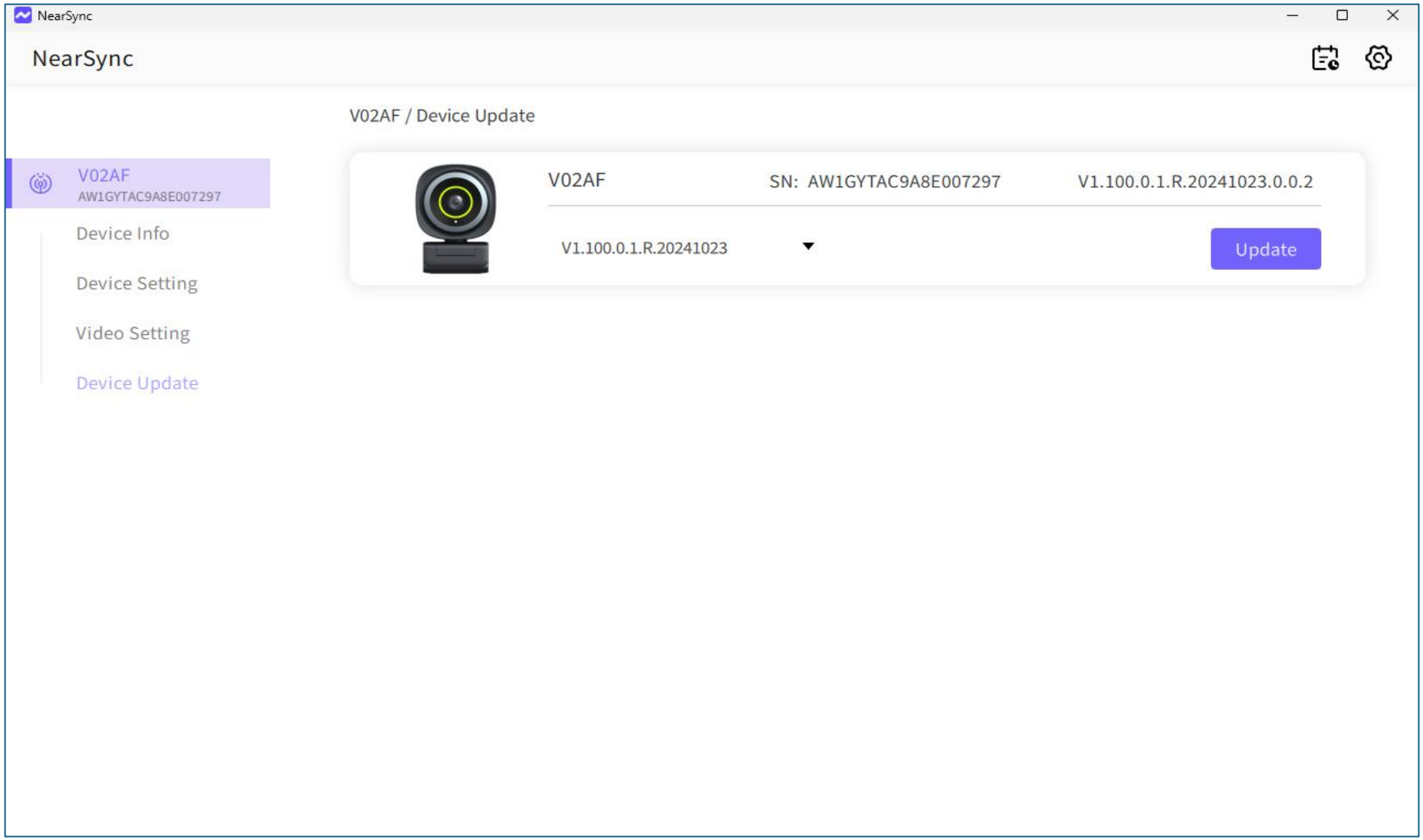


Keep the default settings for **Saturation, Brightness, Contrast and Hue**. (All in the middle.) They are fine for most indoor and outdoor pools. If your pool is very dark, you have practiced with, and are comfortable with the AquaCam, you can go back and play with these settings. But don't do it right now.

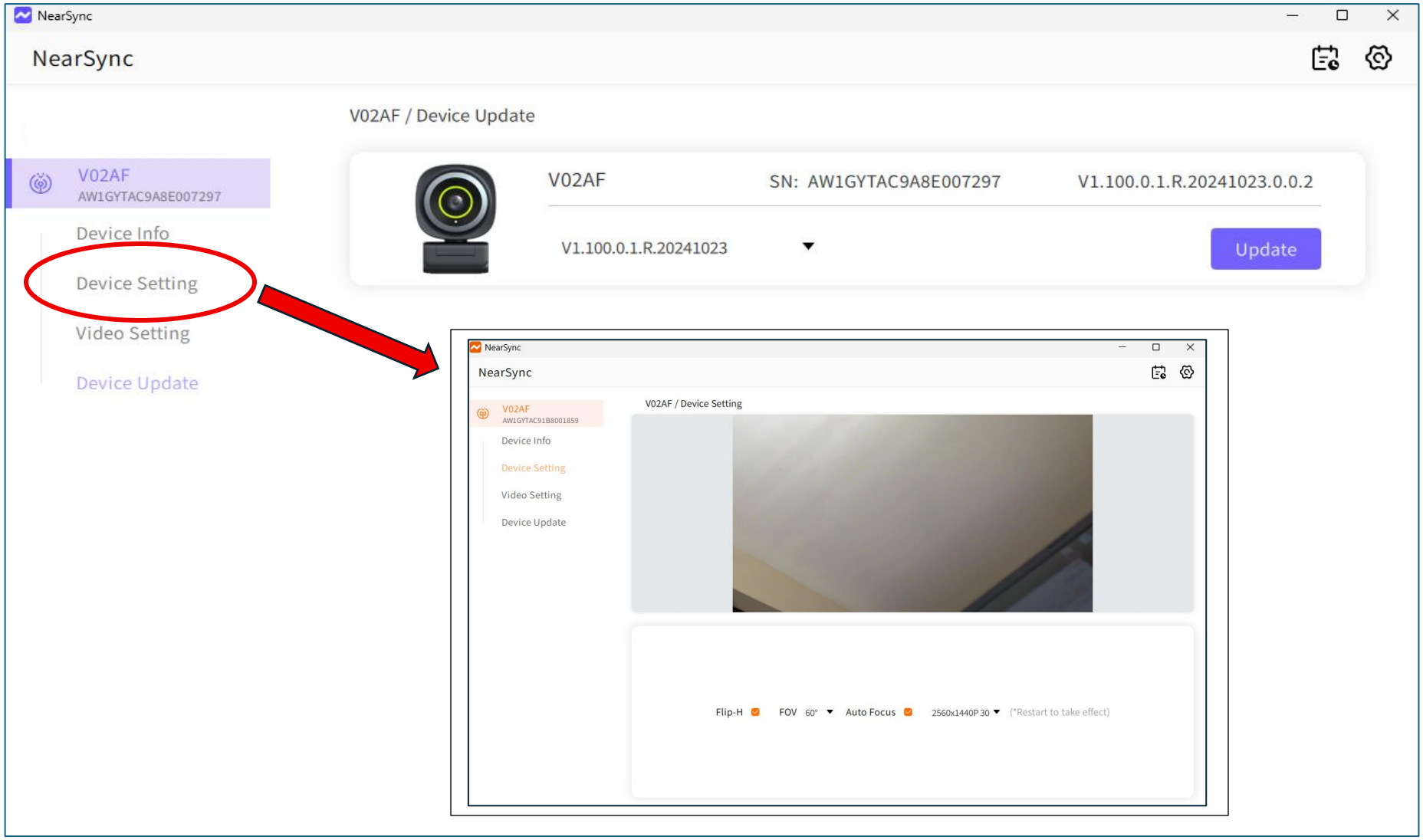
Verify the **White Balance** is at **0** and the **Auto White Balance** Is turned **OFF** ! Set the Frequence(y) to **60Hz if you are in North America** (and to 50 Hz if you are in Europe.) Now go to Device Update on the menu.



DO **NOT** CLICK ON “UPDATE”. We have already registered and updated the device so you do not have to do so.



NOW CLICK “**Device Settings”** again in the menu, and it switches back to 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 on the website instructions page. It is a good idea to write down the link to the page as it is not found on our product site swimcoaching.com. It is also on the basic instruction page that came with your AquaCam.

