

# Near Infrared Imaging



Vein-Eye Carry

[www.nearinfraredimaging.com](http://www.nearinfraredimaging.com)

[www.vein-eye.com](http://www.vein-eye.com)

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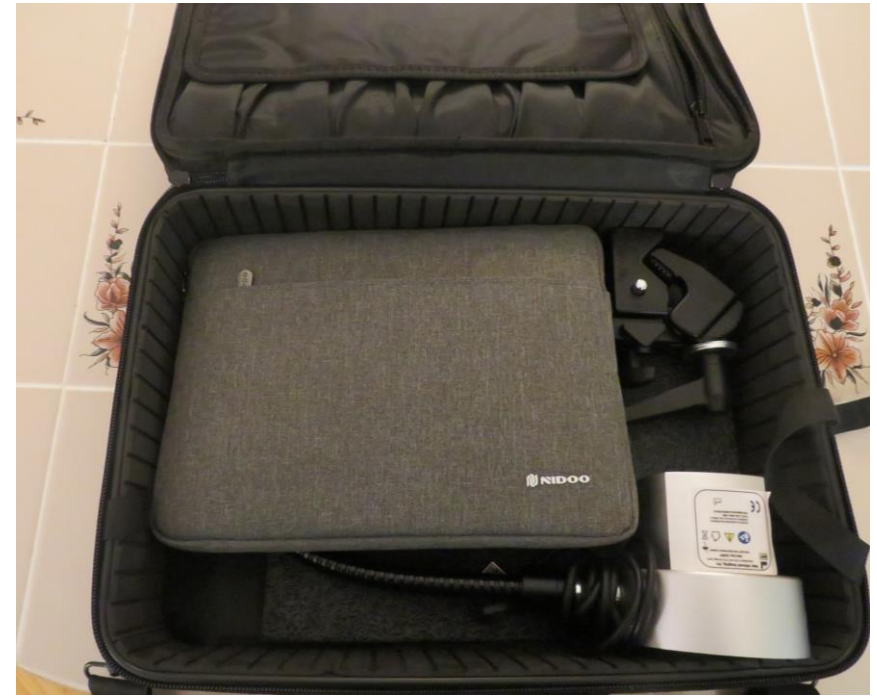
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The lower chamber of the carrying case with the foam on the bottom, the gooseneck/camera/super clamp attached correctly, and the tablet in the protective sleeve on top of the gooseneck



The upper chamber with the chargers and foam packing.



The Windows tablet is inside the padded tablet cover

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Remove the Vein-Eye Carry from the carrying case. The VEC contains a camera, gooseneck and super clamp all attached.



This is the proper angle: with the camera pointing towards the patient.



Never bend the gooseneck backwards when connected to the super clamp. If that happens, the gooseneck will break at the point where the gold adapter is attached to the super clamp.

In the 1<sup>st</sup> picture, the super clamp and the camera are pointed in the same direction as indicated by the blue arrows.

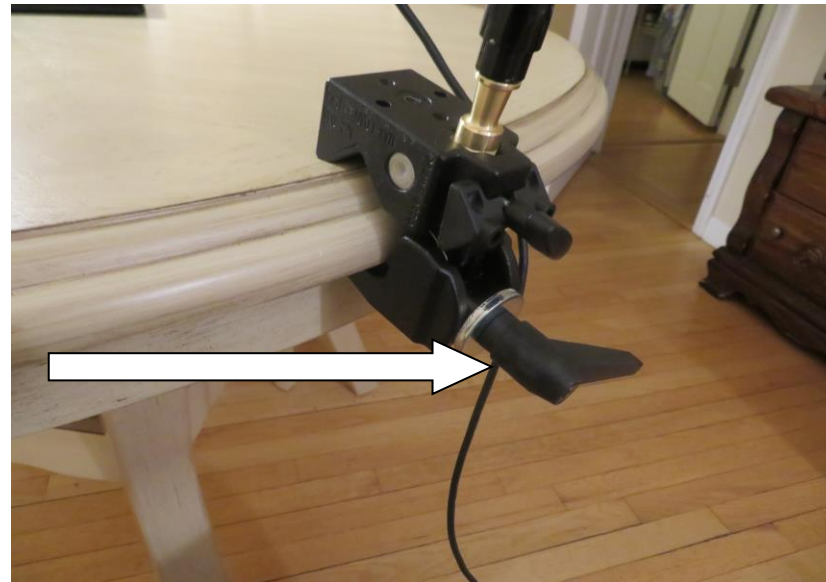
In the 2<sup>nd</sup> picture, the red arrow shows the gooseneck in the incorrect direction, pointing the camera in the opposite direction. This will snap the camera from the super clamp.



To attach the super clamp to a table, bed, chair or other piece of hospital or home furniture, simply turn the large black handle that is on the side of the super clamp so that the clamp widens.

Then place the clamp onto the hospital or home furniture and tighten the clamp.

Test the gooseneck and clamp so that the entire accessory does not move.



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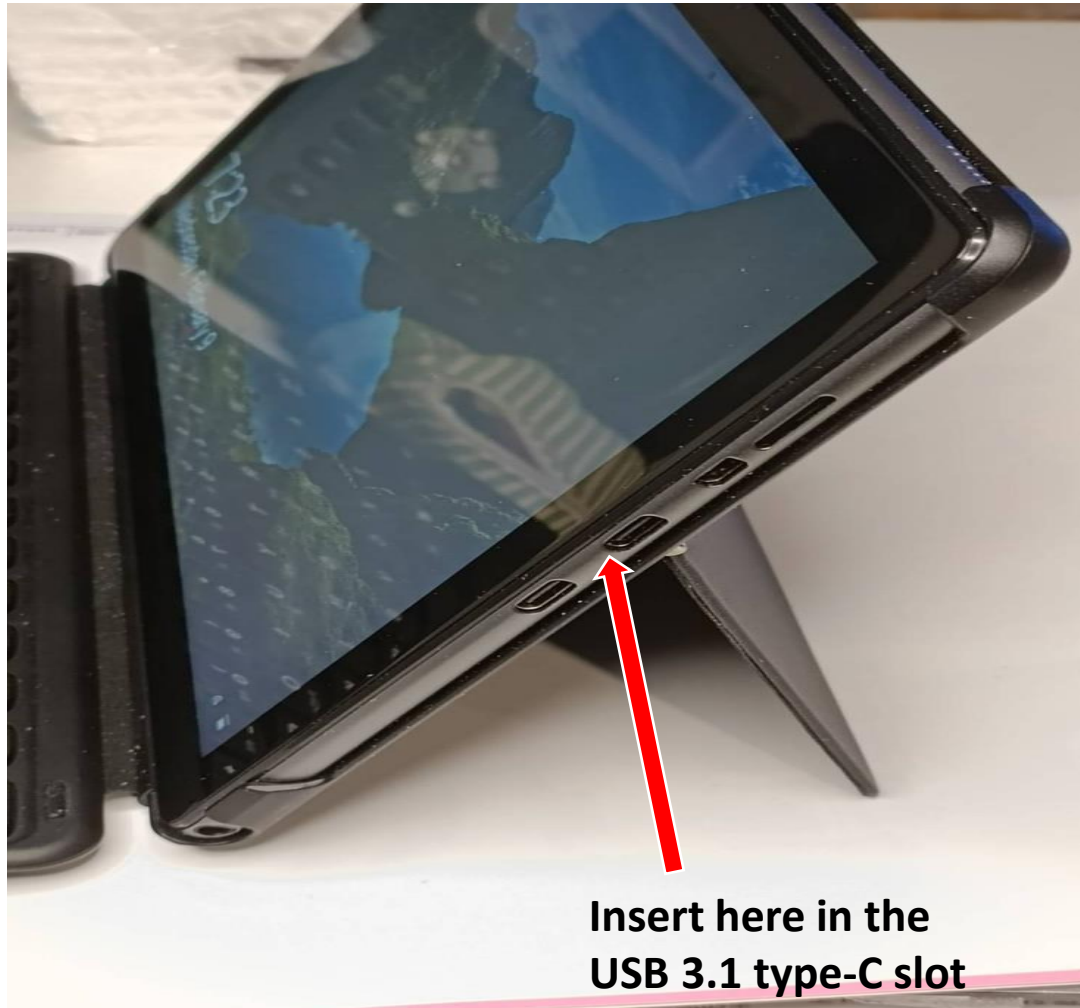
Connect the small gold charging connectors to the small gold connectors on the keyboard.

They are magnetized and should keep the tablet together.

Pull out the lower section of the tablet back cover to act as a stand.







***Connect the camera to the tablet.***

There are two USB type-C slots on the tablet, USB 3.1 and USB 2.0. Please only connect the camera cable to the USB 3.1 type-C slot.

Note: There is a USB –A to USB –C adapter on the end of the camera cable. This allows for connectivity to the type-C slot of the tablet.

Fully assembled, ready to image a patient, in a home setting

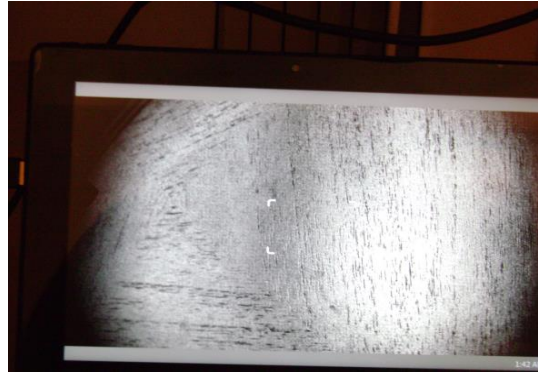


## Imaging patients

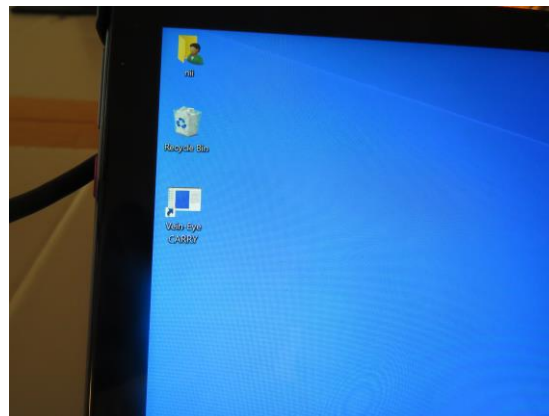
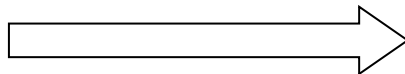
*Power the camera ON first and then power the tablet ON.*

There is no password for the tablet. Just hit ENTER when it asks for the password. The camera and tablet will sync up and take you to the below “active imaging mode”.

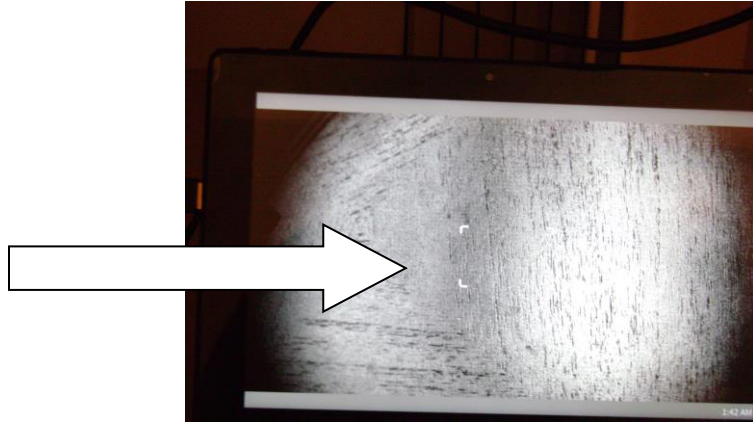
It may take 10 – 15 seconds.



If the tablet does not take you into active camera mode after 15 seconds, it will take you to this page. Simply double-click on the Vein-Eye Carry icon.



This is active imaging mode. In the center are four white indicators.



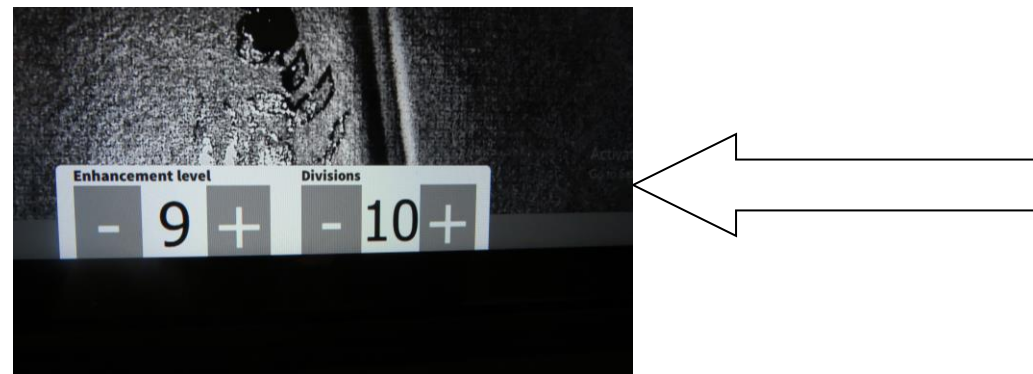
Focus the desired vein puncture spot in the four (4) white indicators

When you are in active camera mode, touch the top of the screen and icons will appear.

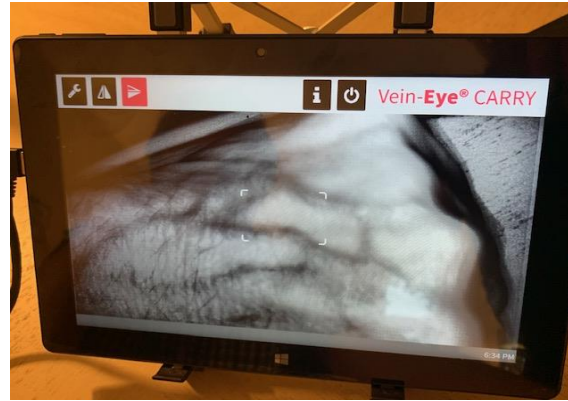
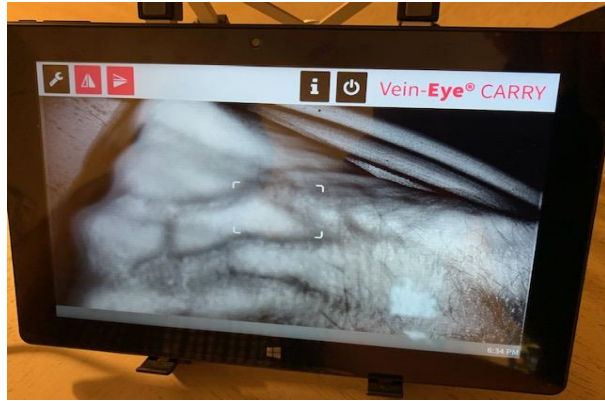
To have the icons disappear, just click the top of the screen again.

If you click on the wrench, you will see that the tablet is preset with Enhancement and Division levels at 9 and 10.

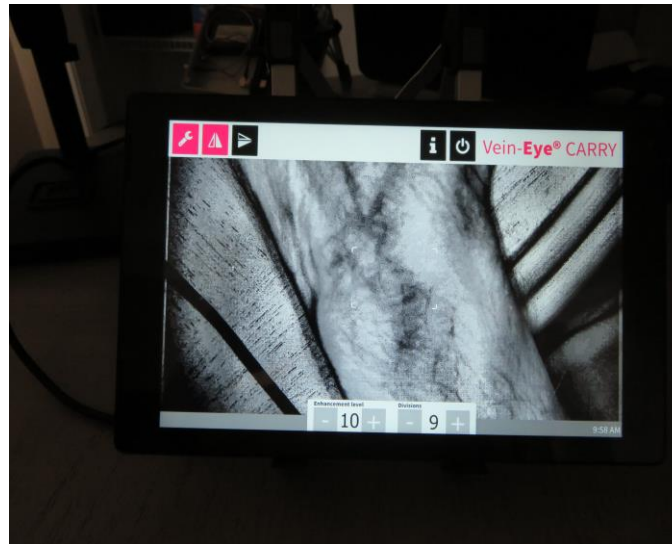
We recommend these settings but feel free to adjust.




The two icon buttons at the top, after the wrench, can be used to help the user depending on whether the user is imaging the patient from their right side or their left side.



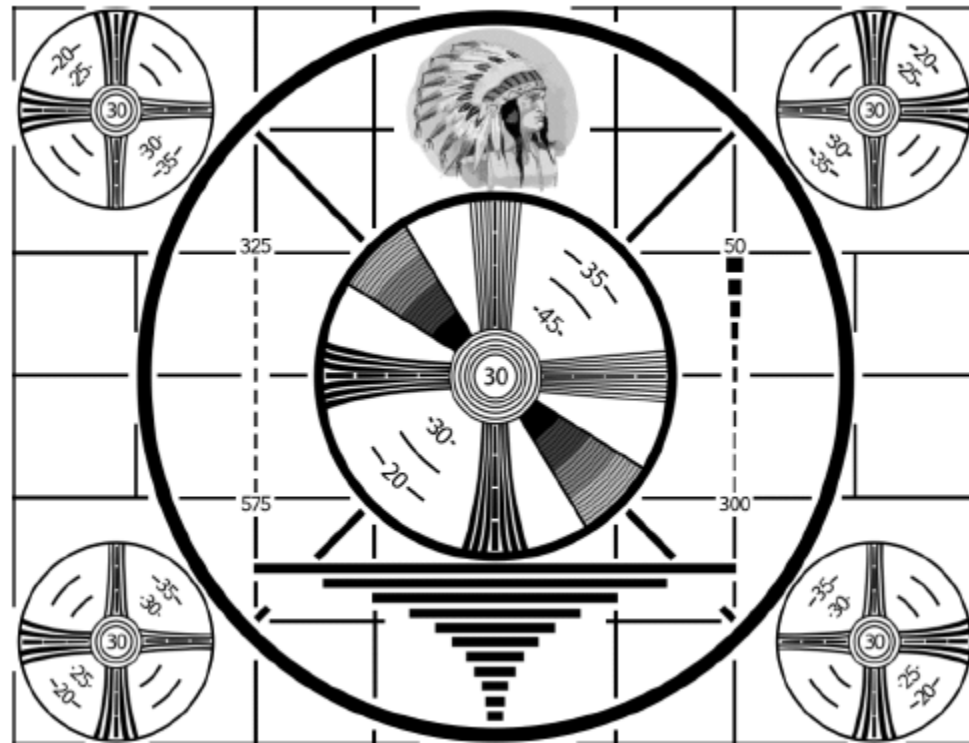
The “i” icon is the information icon for legal and other information.



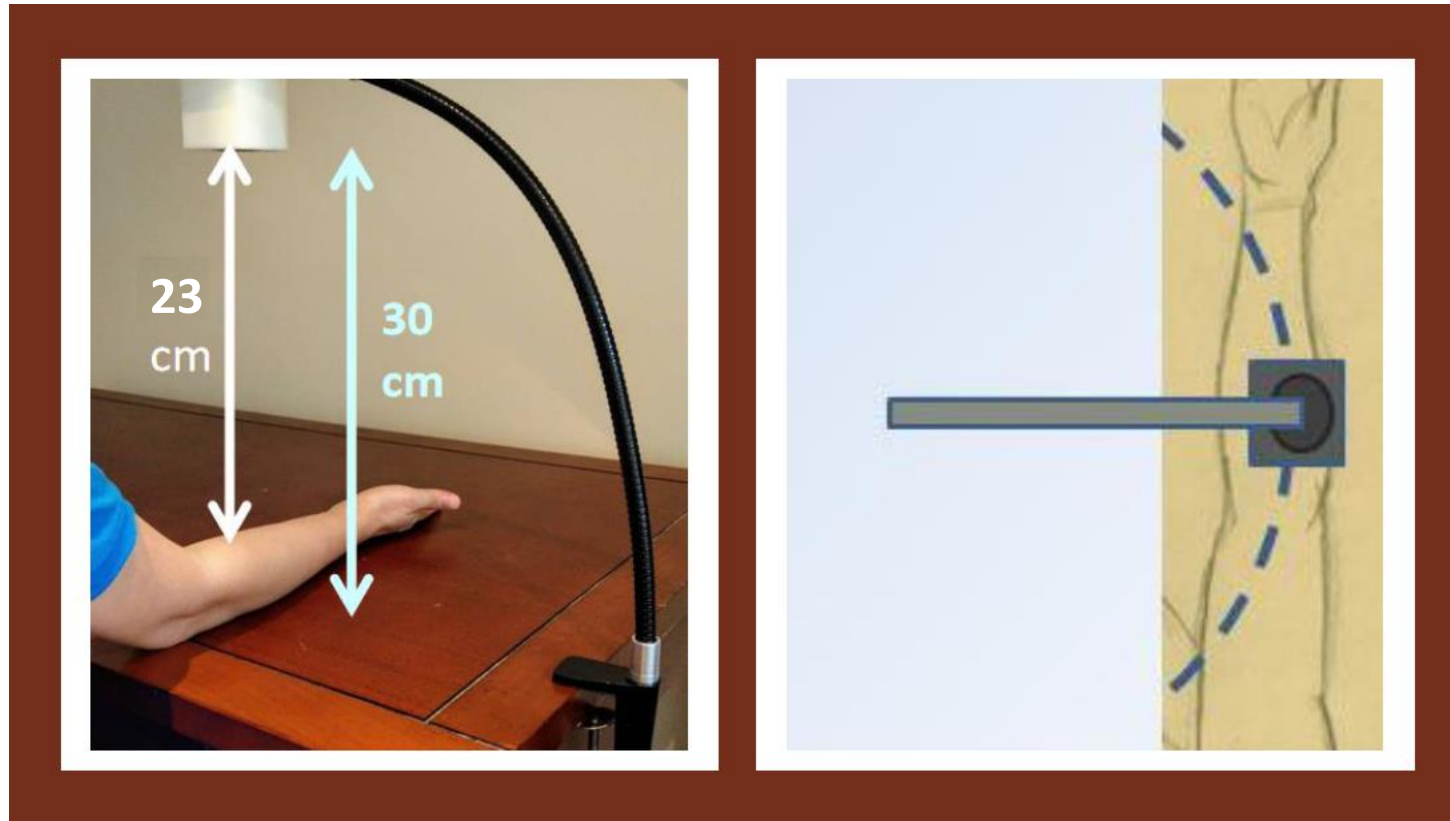
 is the power icon to return to the main page

## Test the image quality

Use the below chart to test the quality of the video at 9 inches (or 23 cm) distance from the desktop to the camera front glass.



Proper distance (23 cm or 9 inches) and proper angle (straight down) when imaging the patient.



*Check the power indicators on both the camera and tablet often.*



### *Charging the camera*

Plug the wall charging unit into a wall power outlet and plug in the type-C connection to the camera type-C slot.

Turn the “Camera” power button off, so that it will set to quick charging mode. The camera light will be off now.

Both the “Charge” red LED and the “Battery Level” 4 green LEDs will light up during the charging mode.

Once all four (4) lights are green, the camera is charged.

It is advised to charge the camera when the camera is not in use.



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*Check the power indicators on both the camera and tablet often.*

### *Charging the tablet*

Connect the charger to the Type C USB slot on the side of the tablet and plug it into power outlet on the wall.

