

**Setting up the
Vic-Snap Remote App**
Procedure Guide

correlated

SOLUTIONS

Introduction

This document explains how to set up the hardware and software for the Vic-Snap app for Android™ and iPhone®/iPad®. The basic steps include:

- Network setup
 - DIR-505 setup
- Mobile device configuration
- Vic-Snap setup
- Using the app

Network setup

In order for the remote app to function properly, it must be visible to the PC running Vic-Snap, and vice versa. This will generally mean having both the device and the PC on the same network.

- If there is a local wireless network or wired/wireless network that both devices can access, you can simply use that. This will be the easiest solution. Note that large, administered networks such as campus-wide networks may block the packet broadcast used by Vic-Snap to communicate with the app; check with your administrator for details.
- If you are using an iOS device, you may be able to set up an ad-hoc (point to point) network using a wireless network interface (such a USB wireless adapter). If the ad-hoc network does not connect to the internet, you may see a message on your device asking if you still want to connect.
- It is possible to set up a virtual wireless access point using Windows 7 and later; any mobile device should be able to access this, but the setup is somewhat complicated.
- The simplest solution to creating a wireless access point for all devices will be to use a wireless hotspot device such as the D-Link® DIR-505. This device is wired to the target PC and creates a local wireless network with no setup necessary.

Setting up the DIR-505

To begin, unbox the DIR-505. There is a password card inside which **must be retained**. The same information is printed on the device itself but will not be accessible when the device is plugged in.



Next, use the switch to set the device to the **Wi-Fi Hotspot** mode.

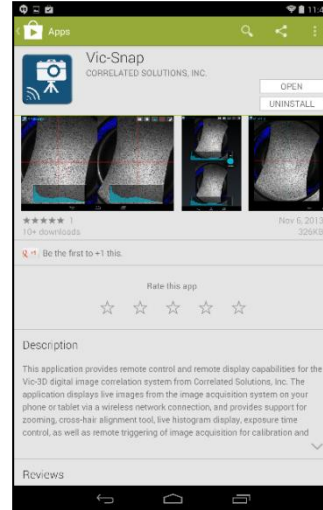
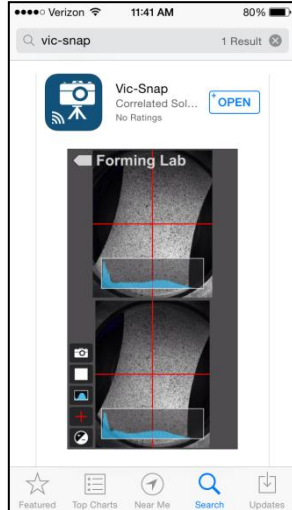


Use the included network cable (or any network cable) to connect the device to the network port on the PC. Note that some PC's contain network ports dedicated to camera connections which must remain free for those cameras.

Finally, plug in the device and wait for its LED indicator to change from red to green. You may see a message on your PC asking whether this is a Home, Public, or Work network; select Public for best compatibility and security. The network should now be up; connecting to it from the mobile device will be covered in the next section.

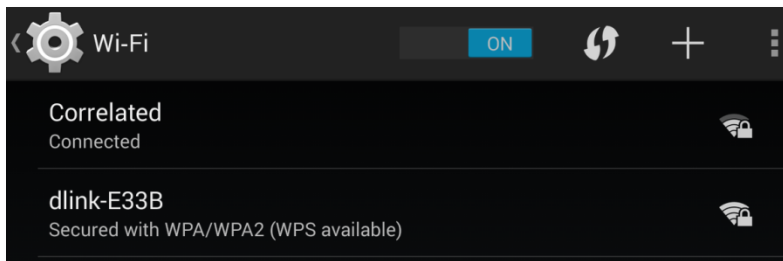
Mobile device configuration

To begin, install the Vic-Snap app on your mobile device. For Android devices, this can be found on the Google Play store; for iOS, check the App Store.

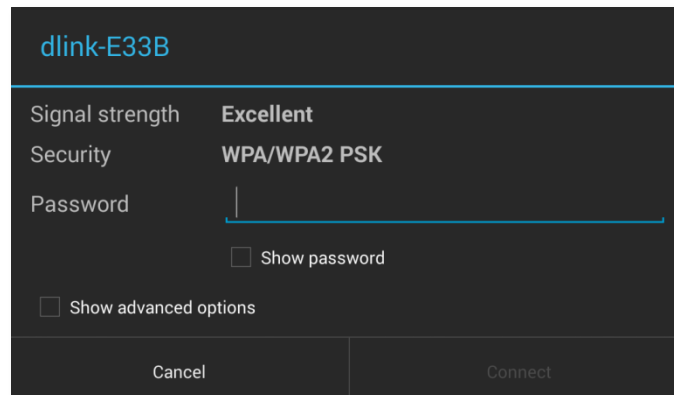


Next, connect your device to the appropriate network using the relevant settings page.

For the D-Link DIR-505: connect your device to the network shown on the password card.



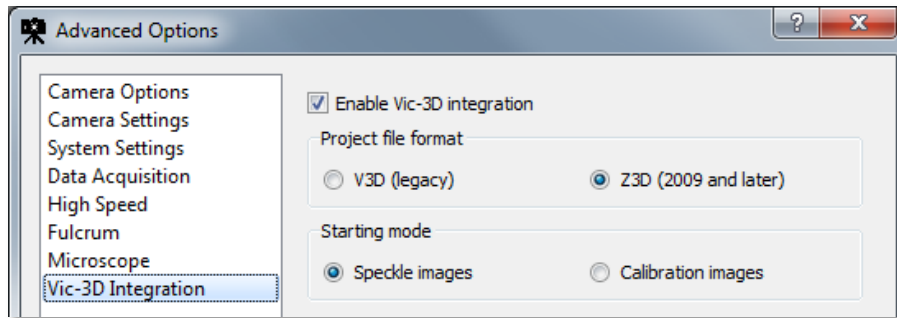
When prompted, carefully enter the password from the card.



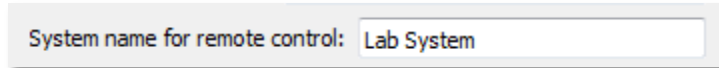
Once connected, you can run the Vic-Snap app.

Vic-Snap Setup

In Vic-Snap, the **Vic-3D Integration** option must be enabled for the system to appear on the remote app. You can find this in the Advanced Options menu.

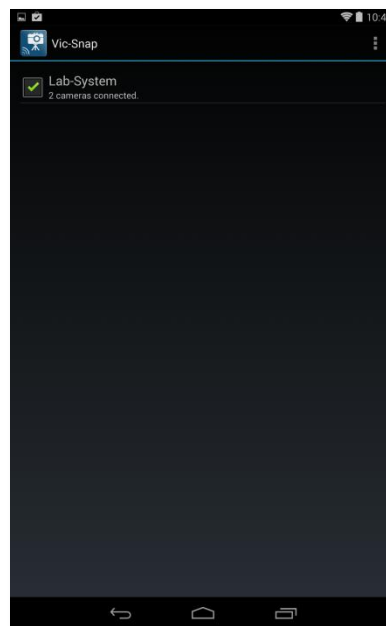


You may also change the display name of the system. By default, it will be the same as the system name of the computer, but you can edit this in **System Settings**.



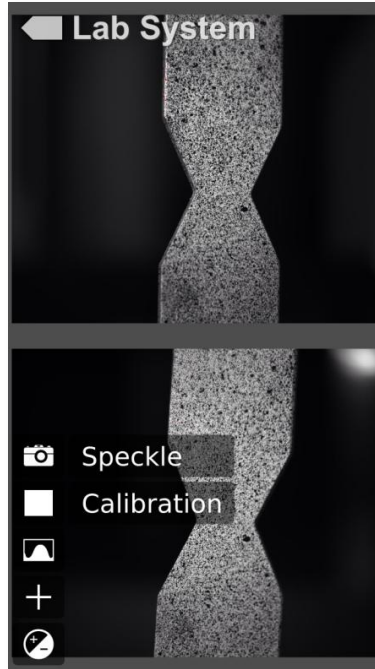
Using the app

Start the app from your mobile device. You should see your Vic-Snap system listed:

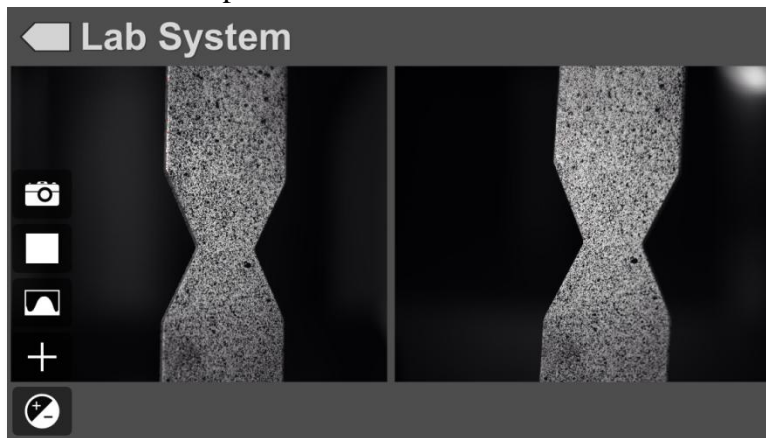


(If you don't see your system, or the app displays the message "Searching" or "No Wi-Fi", check the Troubleshooting section.)

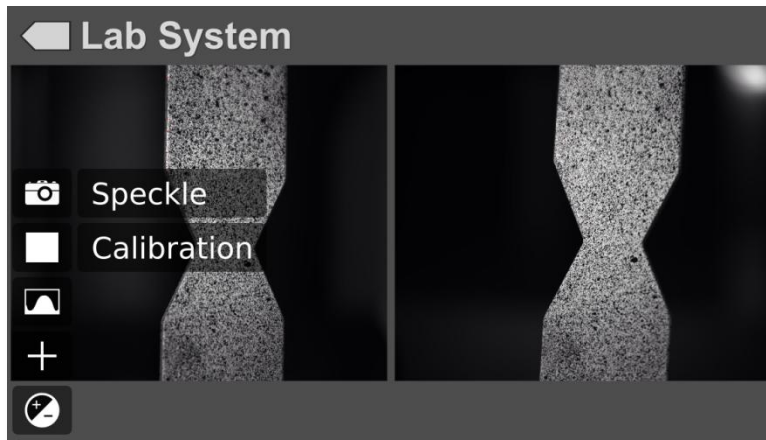
Click on the system to display it. You will see a view for each camera along with some action icons.



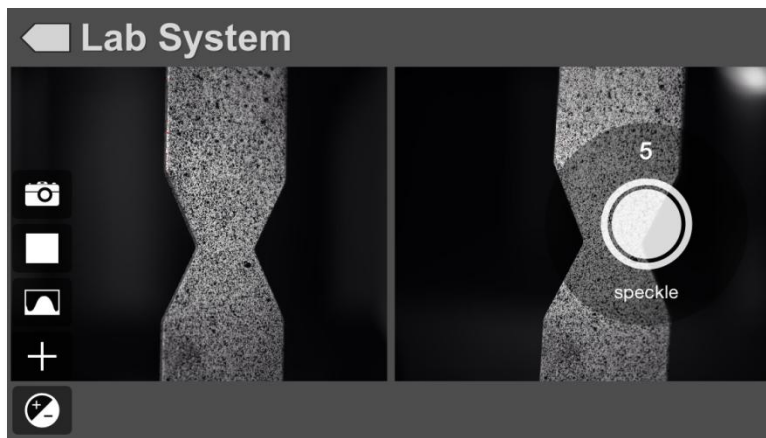
Images will be displayed with very dark areas as **blue** and overdriven areas as **red**. The app can also be used in landscape mode:



To snap images, click the camera icon and select Speckle or Calibration images.

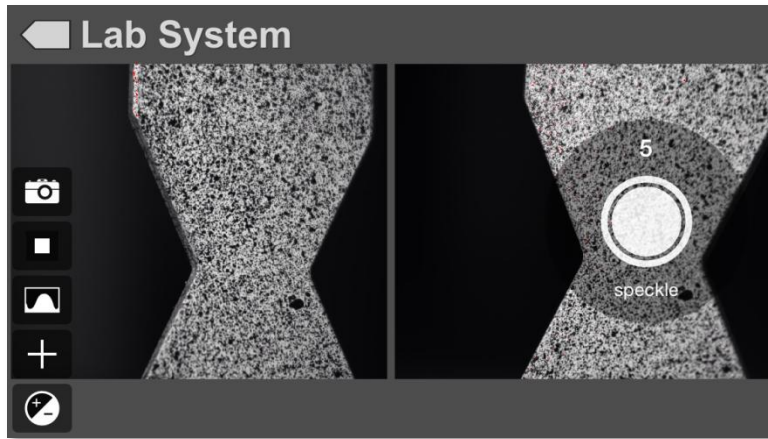


A shutter button will appear, along with an image counter. Click to take images.

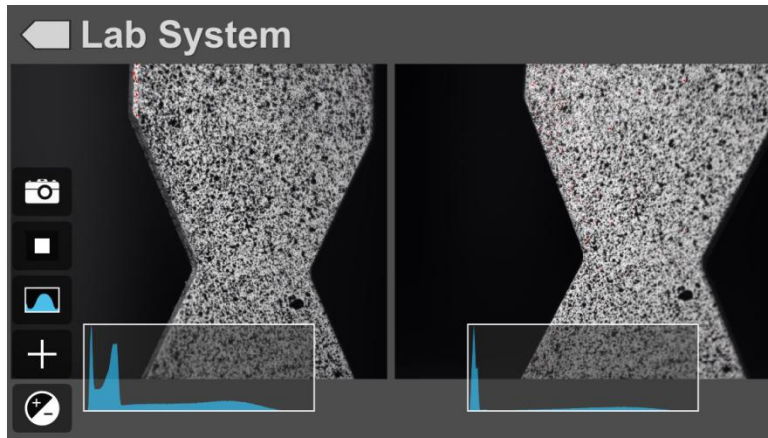


Click the camera icon again to hide the shutter button.

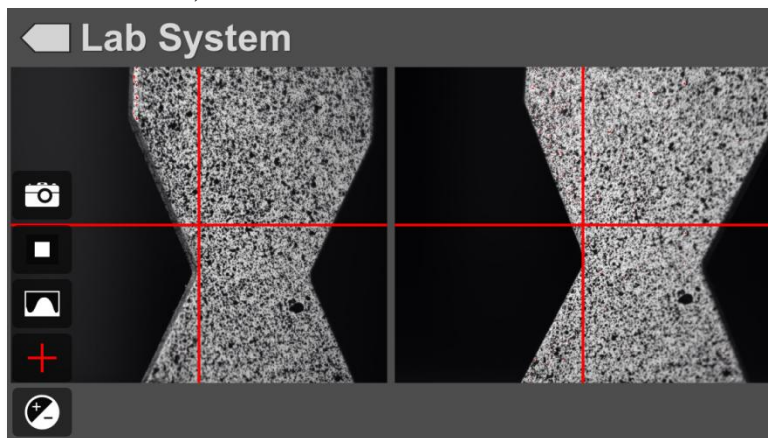
To show a smaller part of the image, e.g, for focusing, click the square icon and select a subregion.



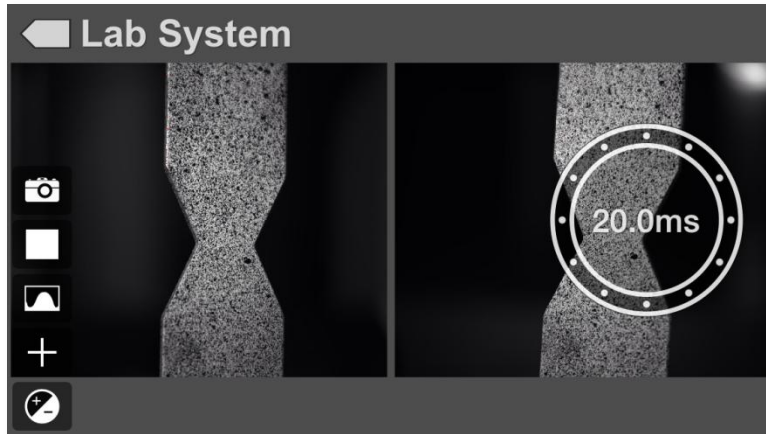
To display a histogram, click the histogram icon. Click again to toggle off.



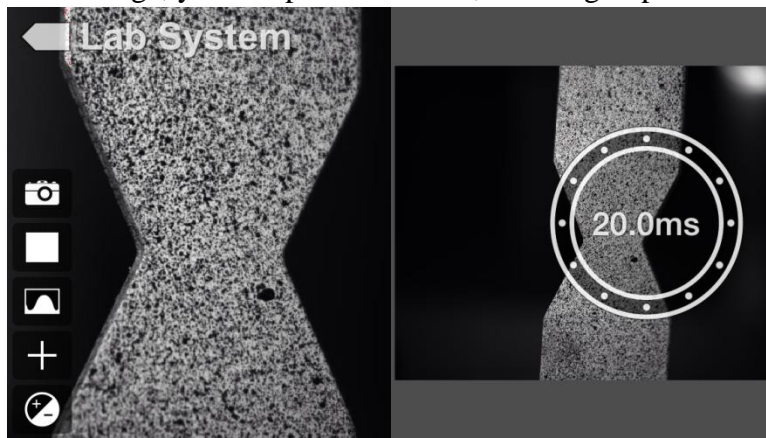
To display or hide crosshairs, click the + icon.



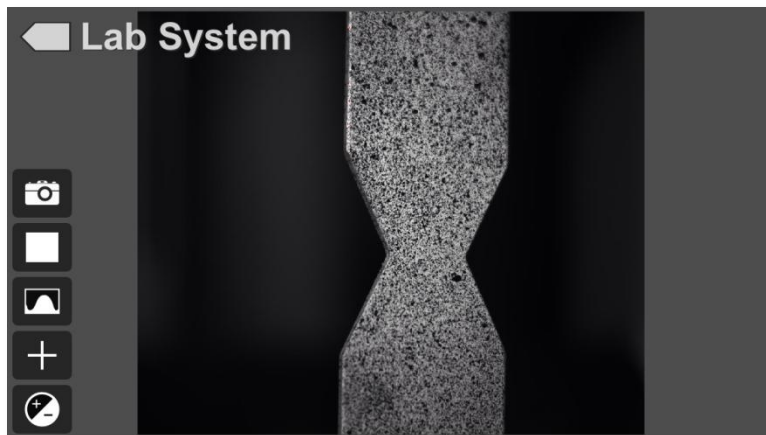
You can bring up an exposure control by clicking the last icon. Exposure is controlled for both cameras at once by spinning the wheel.



To manipulate each image, you can pinch in or out, and drag to pan.



To view only a single camera, you can double-tap on that image. Double-tap again to show both.



You can always reset the display by shaking the device. This shows all cameras, zoomed all the way out.

Troubleshooting

If you see the message “No wifi”:

- You may be out of range of the wireless network especially if using an ad-hoc network or the DIR-505.
- Be sure the device’s wireless is on and that it’s not in airplane mode.
- Confirm that you entered the wireless password correctly.

If you are connected but see “Searching”:

- Be sure that the mobile device is on the same network as the PC.
- Check that Vic-Snap is running on the PC.
- Confirm that **Vic-3D Integration** is turned on, and restart Vic-Snap if necessary.
- Try turning the PC’s firewall off, or allowing Vic-Snap through it.
- If you are on a corporate or campus network, confirm that it’s not blocking the broadcast from Vic-Snap.
- Be sure that you are using the latest Vic-Snap, and that you have the module license key for the remote application. If you are not sure, you can check the Advanced Options dialog under System Settings; if the “System name for remote control” box is grayed out, you do not have the key.

System name for remote control:

Support

The data for this test can be found under Example Data in the Downloads section of our Support page.

If you have any questions about this Application Note or any other questions, comments, or concerns about your CSI system, please feel free to contact us at support@correlatedSolutions.com or visit our web site at www.correlatedsolutions.com.