VisionTest Portable
Setup Guide

Github: https://github.com/MatthiasCLee/VisionTest

Using VisionTest Portable

This requires:

- VisionTest Portable USB
- Keyboard (can be removed later)

Booting to VisionTest Portable

To begin, power the computer off. Insert the USB. Power it on again, and hit F12, F11, F9, or DEL depending on the computer model. You will enter into a one time boot menu. Choose the one called "Mass Storage Device", "General UDisk", or anything relating to USB, or the manufacturer of the drive's name. You can now remove the keyboard. VisionTest Portable will begin booting up. Eventually, a terminal window will appear, and soon enough, VisionTest will launch. Allow extra time for everything to happen, as USB drives are far slower than SSDs or Hard Drives that you would install VisionTest on.

Using VisionTest Portable

VisionTest Portable functions just like normal VisionTest, except for it is slower, as it is running from a USB drive. This means that upon starting, you should cycle through all of the letters, symbols, numbers, and Es, and randomize them all. This ensures that everything needed is in

cache and does not have to be fetched off of the
USB when being used.

Calibration/Setup

Note: The calibration and setup for VisionTest Portable is exactly the same as that of normal VisionTest, but if you are moving the USB between computers, you will have to redo the calibration to screen every time.

This setup requires:

- Red calibration USB
- Remote

Calibrating to screen

Note: if you have already configured the room length, it must be set back to 20.0 feet temporarily in order for the calibration to be accurate.

To start, insert the red USB. Now on the remote, push the unlabeled button directly right of the 30 button. An E should appear on the screen. Hold the short end of a credit card up to the E. Be careful, some All in Ones have touchscreens, and you may accidentally do something on it. Push the +/- buttons in the top right of the remote until the height of the E matches that of the short side of a credit card. VisionTest is now calibrated to the screen. Push the button right of the 30 again to exit calibration mode, and remove the red USB.

Setting room length

To start, insert the red USB. Now on the remote, push the unlabeled button right of the 80 button. A room size should appear in the top left of the

screen. Push the +/- buttons in the top left of the remote until that room size is correct. Now, push the button next to the 80 again to disable changing the room size. Unplug the red USB, and you are done.

Toggling mirroring

To start, insert the red USB. Now, push the unlabeled button right of the 400 to toggle mirroring. Once it is correct, remove the red USB.

Creating VisionTest Portable USBs

This requires:

- VisionTest Portable USB or ISO image
- Another 10-16 GB USB

DD

To begin, insert both USBs to the computer you are using to make another USB. Now, use "disks" utility to find out the device names of the USB drives (usually /dev/sdb,c,d,e…). Now, run the following command with <existing> being the existing VisionTest Portable USB, and <new> being the new one:

```
sudo dd if=<existing> of=<new>
```

BalenaEtcher

To begin, launch BalenaEtcher. Now, choose the VisionTest Portable ISO as the input, and your USB as the output. Click flash, and enter your password.

Updating

Note: You may need to redo the setup after updating
Note: The update process is identical to that of normal VisionTest, except it may take longer.

To begin, exit VisionTest via ALT+F4. Press CTRL+C to gain access to the terminal. Ensure the computer is connected to the internet via WiFi or ethernet. Now, run the following commands:

```
git checkout .
git pull
```

You may need to redo the setup steps now. VisionTest is now updated. Reboot the computer.

Other Information

Username/Password
- Username: vtp
- Password: vt

System info
- Ubuntu version: 20.04.3 desktop AMD64
- Legacy BIOS boot mode