

Using the Nikon D200 digital camera with the Kaiser RA-1 Copy Stand.

1. Place Kaiser Copy Stand on level surface. At the base of the stand, between the column and the grid pattern is a level.
2. Connect camera to stand. Use bubble level to ensure the camera is exactly level.
3. Remove lens cap.
4. Ensure lens cap sun guard is set so the longer sides aligned with copy stand column and top of camera. When set the other way, it chops off parts of the image. You will notice the curvy black shadows if it is wrong.
5. Turn on laptop.
6. Using USB connector cable, plug small USB into camera (left size of camera if being held as a normal camera) and regular size into laptop
7. Adjust height of stand to around the 4 inch (14 inch) point with the crank. This is just a starting point.
8. Turn camera on. On switch is located at the top of the camera (facing you if it is on the stand). Move lever from OFF to ON.
9. Keep lens set at 18mm. This is controlled by the wide band on the lens.
10. Open Camera Control Pro (Nikon imaging software). The menu will open up.
 - a. Under Exposure 1 Tab, set exposure mode to Aperture Priority
 - b. Set Aperature to F6.3. This can be adjusted to find the best image.
 - c. Under Exposure 2, set white balance to match current light source, for example natural light.
 - d. Under the Storage Tab, set to RAW (12 bit) leave as uncompressed.
11. Put first item to be photographed on the stand. Due to the extra battery pack, the images need to be loaded towards the top outside edge of the stand.
12. Line up the item with the grid lines to make it even. This will save time later when the presentation image is made.
13. Use the viewer (small viewer, not the large plastic covered area) and see if the whole item shows in the viewer.
14. Adjust the crank on the copy stand column up or down to widen or narrow the area to be photographed as appropriate.
15. If item has a bend or wave carefully use fingers to hold outside edges of item to keep it flat.
16. On the laptop, click on autofocus and shoot. Wait until image is done. Check image quality.
17. If you need to retake the image.
 - a. Delete the bad image by clicking on the trash container icon on the Camera Control Pro menu.

- b. Go to Tools and select download options.
 - c. Look for Next file name to be used. Edit and change the number back to the next in the series.
18. Periodically check the battery level.
- a. Go to the Camera Control Pro menu and click on the Mechanical tab.
 - b. Battery level will show.
 - c. The camera has two rechargeable batteries loaded in the base. It takes two and a half hours to recharge one of the batteries.
 - d. Charge the used batteries at the start of the day. Leaving batteries recharging without anyone present has the potential to be unsafe.