KODAK DENTAL IMAGING SOFTWARE
Version 6.7

USB Driver Installation and Testing

Before connecting the docking station to the computer, it is important that you first make sure the computer does not automatically search Windows Update for the driver. This setting can be found under the “Hardware” tab in “System Properties”. You can get to the system properties window through either through “Control Panel” and the “System” icon, or you can right click “My Computer” and click “Properties”:

Then click the “Hardware” tab, and then the “Windows Update” button.
Make sure you select “Ask me to search Windows Update every time I connect a new device” or “Never search Windows Update for drivers”:

![Connect to Windows Update](image)

Be careful not to select “If my device needs a driver, go to Windows Update without asking me”. If you install the driver from Windows Update instead of the driver from the Sopro Imaging CD, the camera and docking station will not function properly with the computer. After completing the preceding steps, you may click “OK”, then “OK” again to get you out of system properties. You are now ready to install the driver.

First, connect the docking station to a USB 2.0 port on the computer using the USB 2.0 certified cable provided with the docking station. If you must extend the length of the cable, contact Acteon Imaging Support for specifics on what equipment must be used. Once you connect the docking station to the computer, you should get the “Found New Hardware Wizard”:

![Found New Hardware Wizard](image)

Select “No, not this time”, then click “Next >”.

Select “No, not this time”, then click “Next >”. 
At this point, you will get to the step stating “If your hardware came with an installation CD or floppy disk, insert it now.” Do not click anything. Instead, simply insert the Sopro Imaging CD and wait. The wizard will automatically advance to the next step. As the wizard advances, it will search for a driver for “USB 2820 Video”. The “Sopro-Imaging setup” window might appear. If so, click “Quit”.

Next, you should see the following screen:

If so, click “Finish”. You have now successfully installed the driver.
Now to configure the driver and test the camera, we’ll use AMCAP, as this is a universal program that can be used to configure the driver without installing any software. To open AMCAP, you’ll need to browse the Sopro Imaging CD. First, open “My Computer”. Then, right click the “Sopro Imaging” CD and click “Open”:

Double click on the Tools folder and then double click on the SoproSnap folder. Double click on amcap sopro USB2 icon.
After AMCAP opens, click “Devices” and make sure “USB 2820 Video” is selected:

If the check is not next to “USB 2820 Video”, click it. On older docking stations, you will need to set the Video Crossbar. Click “Options” and “Video Crossbar…”:

Change the input from “2: Video Composite In” to “3: Video SVHS In”.
Click "OK", then click "Options" and "Video Capture Pin...":

![Image of AMCAP software interface]

Change the "Color Space / Compression" from "YUY2" to "I420":

![Image of property settings window]

Also, make sure the "Output Size" is "640 x 480". If you do not have the option of "640 x 480", check to make sure your USB ports are USB 2.0 compliant. Click "OK". Next click on "Options" again then select "Preview." This should give you a live image. You may now close AMCAP. You have now successfully installed and configured the drivers for the Sopro Intra-oral camera docking station.
**SoproSnap Installation**

Now it is time to install “SoproSnap” to allow the Sopro camera to capture and save pictures.

Open “My Computer” and right click on the “Sopro Imaging” CD. Choose “Explore from the menu.”

Open the “Tools” folder.
Now open the “SoproSnap” folder.

You will see the “SoproSnap” icon, double click on it.
You will see the Snap icon on your desktop and in the system tray.

You are now ready to configure Snap within your imaging software to take and save pictures.

Install KDIS per the publisher’s instructions. You will need a license file and activation codes from Kodak/Practiceworks to complete the installation.

Once the initial install is complete, launch the application using the desktop shortcut.

Use the icon to start the application.

If this is a new installation, first select one of the sample patients as shown below or select any existing patient.
Select Patient, Find from drop down menu:

Once the patient is selected, select Options, Preferences.
Select USB 2820 Video under the Camera tab:

Next, hit F5 to bring up the video capture window.
After pressing F5, return to the menu Options and select Video settings:

Here, select NTSC and S-Video:

At this point, you should be able to see a live video stream in a 640x480 window. If you do not, please review the prior settings.

This process is where you tell SoproSnap what functions to perform when you touch the SoproTouch button on your camera.

Now, hold down the “Control” key on the keyboard, and click on the middle of the “Snap” icon on the screen. A “SoproSnap Settings” window will open.
Click and drag the small white button next to the “External Application” box to the “Kodak Dental Imaging” title bar as shown below.

Select the video source from the drop down menu. It should say “USB 2820 Video.” Leave the “Search title text” box unchecked. Click on the “Send WM_COMMAND” radio button and use the value “32881.”
Please confirm that the SoproSnap settings match the items as shown in the below the screenshot.

The last step is to click the OK button to shut the SoproSnap Settings windows.

You have just successfully set up your Sopro Camera to work with KDIS.

If you experience any problems with the setup or configuration of the Sopro camera, please contact Acteon North America’s technical support group at 800-289-6367.