Sirona SIDEXIS Installation

The installation and configuration of Sopro inter-oral cameras with SIDEXIS version 2.3 is a three step process. The first step is to install the USB 2.0 driver and test the camera functionality. The second step is installing SoproSnap. The final step is to configure the camera in SIDEXIS and configure the SoproSnap.

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 on the “Hardware” tab in the “System Properties” window. You can get there by clicking on the Windows button on the “Task Bar”, right-clicking on Computer, and then clicking on Properties.
The System Information window appears. Click on **Advanced system settings**.

The System Properties window will appear. Click on the **Hardware** tab and then the **Device Installation Settings** button.
The Device Installation Settings window will appear. Select **No, let me choose what do** and **Never install driver software from Windows Update**. Then click **Save Changes**.

![Device Installation Settings](image)

Click **OK** on the System Properties window and the red “X” in the upper right corner of the System Information window to close it.

Now you are ready to install the USB 2.0 driver from the CD that came with your camera. Insert it into the CD-ROM drive. The AutoPlay window will appear. Click **Run setup.exe**.

![AutoPlay](image)
The User Account Control window appears. Click Yes.

The SOPRO-Imaging setup window will appear. De-select all items except **SOPRO Video camera** and then the **Install selected items** button.
The Video camera Device Driver Installation window appears. Click **Next**.

The Windows Security window appears. Currently there are no certification programs in place for inter-oral cameras, therefore Microsoft will not give us a Windows Logo – testing signature. Click **Install this driver software anyway**.
After the driver has installed the Video camera Device Driver Installer window will display indicating a successful installation. Click **Finish**.

You are now ready to attach the USB 2.0 cable to the computer. After plugging in the cable, an informational pop-up will appear in the bottom right corner of your monitor indicating that Windows has correctly identified your camera and associated driver. Click the gray **X** to close the pop-up.

Now you will test the setup to verify the camera and docking station are working correctly. You will use Amcap, a Microsoft Windows® testing utility that can be found on SOPRO-Imaging CD. Right-click on the Windows button on the bottom left of the Task Bar and click on **Open Windows Explorer**.
The Windows Explorer window will appear. Click on the **DVD Drive: Sopro Imaging** and then double-click on **Tools**.

Double-click on **SoproSnap**.
Double-click on amcap sopro USB2.

The AMCAP window appears. Click on Devices and verify that USB 2820 Video is checked.
Click on **Options** and then **Video Crossbar**... This option is not always available, depending on the docking station you have. If missing, skip to “Options, Video Capture Pin…”

The Properties window appears. In the Input section choose **3: Video SVideo In** and click **OK**.
Next click **Options, Video Capture Pin...** and select **I420** for the “Color Space / Compression”. Verify that “Output Size” is **640 x 480** and click **OK**.

Finally, click **Options, Preview**.

The lights on the camera should be on and you should have a live image in the AMCAP window. Run your finger over the Snap button on the back of the camera. The following message should appear:
You have completed the USB 2.0 driver installation and tested the camera hardware successfully.

**SoproSnap Installation**

Now it is time to install “SoproSnap” to allow the Sopro camera to capture and save pictures. Right-click on the Windows button on the bottom left of the Task Bar and click on **Open Windows Explorer**.

The Windows Explorer window will appear. Click on the DVD Drive: Sopro Imaging and then double-click on **Tools**.
Double-click on **SoproSnap**.

Double-click on **Setup SoproSnap**.
The Setup SoproSnap window will appear. Click **Install**.

You might see the User Account Control warning appear. Click **Yes**.

You will see the Snap icon on your desktop and in the system tray.
**Sirona SIDEXIS Configuration**

Start SIDEXIS by double clicking on the SIDEXIS icon on the desktop.

The SIDEXIS program window appears. Click on the **Utilities** menu and then **Configure system**.
The System setup window appears. Click on Service.

The Please enter the service password! Window appears. Enter the service password and click OK.
The Service window appears. In the Video section select **SIROCAM present**, **Full face camera present** and **Standard video for Windows card**. Click **OK** and close Sidexis.

The next step is to configure the operation of SOPRO cameras in the SIDEXIS Manager utility. Click on the Windows button in the bottom left of the Task Bar, then click **All Programs**. Click on the **SIDEXIS** folder and click on **SIDEXIS Manager**.
The User Account Control warning might appear. If so, click on **Yes**.

The SIDEXIS Manager window appears. Click on **NGVidCap**.
The NGVidCap window appears. Verify that **Use WDM device** is checked, the Video configuration shows **USB 2820 Video** in the Video devices window, and **Video SVideo** is in the SIROCAM and Full face camera sections. Click **OK**.

Close SIDEXIS Manager and launch SIDEXIS by double-clicking on the **SIDEXIS** icon.
Select a patient by clicking on **Exam, Patient**, and then **Register**.

The Register patient window appears. Select a test patient and click **OK**.
Now you will launch SOPRO Snap. Hold the Ctrl key on the keyboard down and click on the Snap Icon.

The Settings window appears. Select Send WM_COMMAND for the Function and WParam of 7040 for the Parameters.
Click and hold the small white circle at the end of the External application box. Drag the circle to the title bar of the SIDEXIS window. The Setting window will temporarily disappear. Release the mouse. The Settings window will re-appear and the External application box will show **SIDEXIS-Patient name**.

Select **Action#2** from the drop down menu, **Send WM_COMMAND** for the function, and **WParam 7005**. Click **OK**.
Click on the **Video exposure button** on the left side of the window to start taking pictures.