COMPUTER SETUP INSTRUCTIONS

Whether you are upgrading or replacing your current dedicated panoramic x-ray machine computer; please follow these steps to ensure a successful transition to your new computer.

Panoramic Technical Support can be reached at 800-654-2027 / support@pancorp.com for any questions.

DENTAL IMAGING SOFTWARE

Computer & Software Setup Instructions

for a computer with Windows 10 Professional 64-bit

Used with X-ray Machines:

- Encompass Pan or Pan/Ceph
- 2nd Generation
  Serial Numbers K001xxx
- 3rd, and 4th Generations
  Serial Numbers 500000xxxxxx

Dental Imaging Software
Pre-Setup – from the existing computer

Backup Calibration Files
Identify capture card
Computer Information

Setup – on the new computer

Verify Computer Operating System & Type
Disable Sleep, Hibernate, & Fast Startup
Install Software – Dental Imaging Software
Configure capture card
Verify or Configure Software Settings – Dental Imaging Software
Restore Calibration Files

BACKUP CALIBRATION FILES

On the existing computer, backup or copy the Dental Imaging Software root folder.

Required -- C:\Dental Imaging Software\
IDENTIFY CAPTURE CARD

The PC used must be a Windows desktop tower. Mac computers & Mac OS not supported. Laptops & All-in-One computers will not work because the capture card must be installed in the next computer.

<table>
<thead>
<tr>
<th>Type</th>
<th>Intel CT Desktop Adaptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expansion Slot</td>
<td>PCI Express x1 or x16</td>
</tr>
<tr>
<td>Size</td>
<td>Full or Half Height</td>
</tr>
<tr>
<td></td>
<td>- call to order different size bracket</td>
</tr>
<tr>
<td>Compatible Operating Systems</td>
<td>Windows 7 Pro 32/64 bit</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Pro 32-bit NOT SUPPORTED</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Pro 64-bit Only</td>
</tr>
<tr>
<td>Used with Pano Machines</td>
<td>PC-1000 Digital</td>
</tr>
<tr>
<td></td>
<td>PC-4000</td>
</tr>
<tr>
<td></td>
<td>Encompass HF-100 Eagle (2D &amp; 3D CBCT)</td>
</tr>
<tr>
<td></td>
<td>Envision P / Envision C1</td>
</tr>
</tbody>
</table>

COMPUTER INFORMATION

<table>
<thead>
<tr>
<th>Processor (Intel Brand Required)</th>
<th>i5 6th Generation or later</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
<td>8 GB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>500+ GB or greater, 7200 RPM or faster</td>
</tr>
<tr>
<td>One Available Expansion slot</td>
<td>PCI-Express x16</td>
</tr>
</tbody>
</table>
VERIFY COMPUTER OPERATING SYSTEM & TYPE

From the Start Menu, type “This PC” and click on Properties

An Example is shown. Windows 10 Professional, 64-bit Operating System

Control Panel Home
- Device Manager
- Remote settings
- System protection
- Advanced system settings

View basic information about your computer

Windows edition
- Windows 10 Pro for Workstations

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System
- Manufacturers: Dell
- Model: Latitude 5480
- Processor: Intel(R) Core(TM) i5-6440HQ CPU @ 2.60GHz, 2.60 GHz
- Installed memory (RAM): 16.0 GB (15.6 GB usable)
- System type: 64-bit Operating System, x64-based processor

Pen and Touch: No Pen or Touch input is available for this Display
DISABLE SLEEP, HIBERNATE, & FAST STARTUP

a. If PC is windows 10, open the start menu and type “power” click on the “Power and sleep settings”.

b. On the right side of the window, under Related settings, click “Additional power settings”.

c. On the left side of the window, click “Choose what the power buttons do”.

d. Near the top of the window click “Change settings that are currently unavailable”.

e. Uncheck the boxes.
INSTALL SOFTWARE - DENTAL IMAGING SOFTWARE

Note: If previously installed, or if this is an upgrade from Windows 7, make sure to uninstall any previous versions.

Click, Download, and Run the software Installation. Dental Imaging Software (approx. file size 87 MB)

Use the Default selections by clicking the Next buttons. Here are the screens to show the prompts.
INTEL NIC, CONFIGURE & INSTALL PROTOCOL

a. Right-click on the network icon next to the clock on your taskbar and click “open Network & internet settings”.

b. Click on “change adapter options”.

c. Right-click on the “Intel gigabit CT desktop adapter” and chose “properties”.


e. Double-Click IPv4 (Properties) and set the IP address to 192.168.5.10, and click OK.

f. Click OK on the Interface Properties to Save the IP address.

g. Right click on the Intel CT Desktop adapter again and go into the properties, and click the “configure” button in the top right corner.

h. Under the “Power Management” tab, uncheck all boxes.

i. Under the “advanced” tab change the “Receive buffers” to a value of “2048”.

   If Receive buffers is not found, it might be found under Performance Options

j. Click “OK” to save your changes.
VERIFY OR CONFIGURE THE DENTAL IMAGING SOFTWARE

1. Browse to, and open the eagle.ini configuration file. The default application is to use Notepad. C:\Dental Imaging Software\eagle.ini

2. The first configuration is your Sensor’s IP address. This is a **CRITICAL STEP**.

3. Overwrite and correct the IP address settings **BASED ON WHAT TYPE OF SETUP YOU HAVE**

```
[SENSORS_IP_CONFIG]
PANSnapSensor=192.168.5.100
CEPHSensor=192.168.5.101
CEPHSensorType=0

Pan Only
1 sensor

[SENSORS_IP_CONFIG]
PANSnapSensor=192.168.5.101
CEPHSensor=192.168.5.101
CEPHSensorType=1

Pan / Ceph
1 sensor

[SENSORS_IP_CONFIG]
PANSnapSensor=192.168.5.100
CEPHSensor=192.168.5.101
CEPHSensorType=2

Pan / Ceph
2 sensors
```
4. If you wish to save the image or bridge via TWAIN with other programs, find the [SOFTWARE_CONFIG] section and change the License values. Basic should be False and Advanced should be True.

5. Sensor Firmware Config (for 2 sensor units only)
   If the machine serial number starts with a ‘K’, then leave the default firmware value as True.

   If the machine serial number starts with a ‘500000’, then change the firmware value to False.

6. Save changes made to the eagle.ini file and close the file/notepad application.
The calibration files should have been backed up from the previous computer. Copy ONLY 2 folders within to the same location on the new computer.

C:\Dental Imaging Software\Original Data\nC:\Dental Imaging Software\Patient Images\n
Open the Dental Imaging Software and Verify the Green connection in the TOP LEFT.

Also verify the New PAN / New CEPH buttons in the TOP RIGHT when the machine is setup respectively.