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:
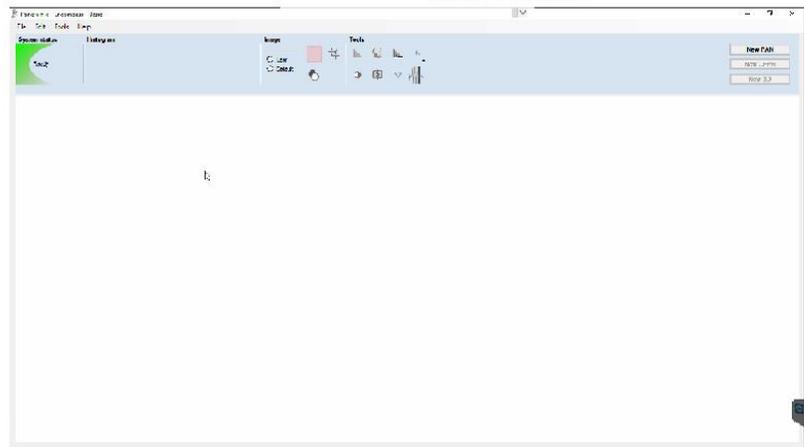

Encompass Pan or Pan/Ceph

2nd Generation
Serial Numbers K001xxx

3rd, and 4th Generations
Serial Numbers 500000xxxxxx

EXAMPLE
Serial Number found on the back of the X-ray
Tube on the rotation arm

Dental Imaging Software
App

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

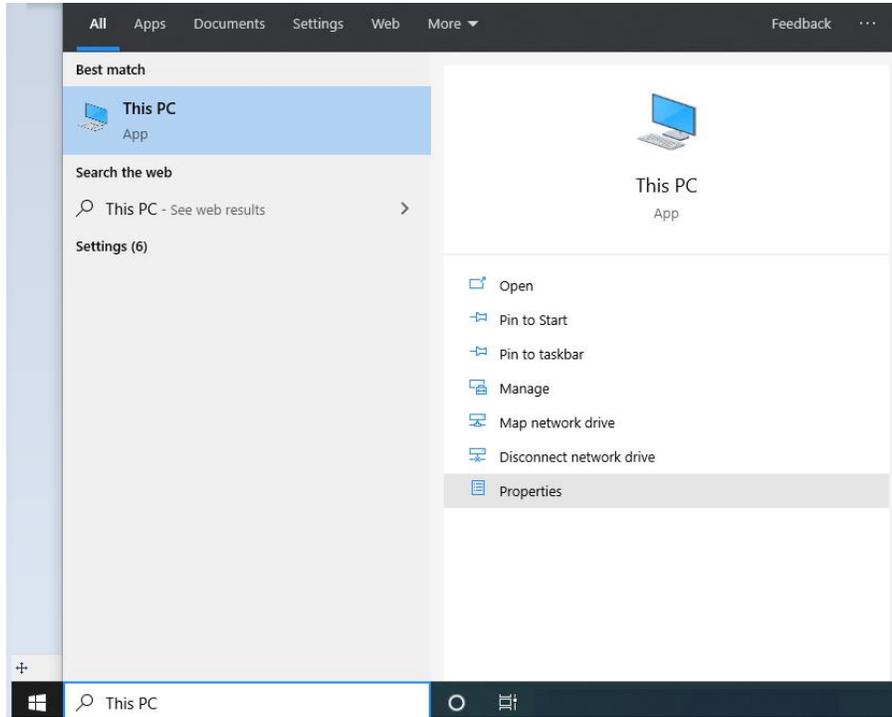| Type	Intel CT Desktop Adaptor
Expansion Slot	PCI Express x1 or x16
Size	Full or Half Height - call to order different size bracket
Compatible Operating Systems	Windows 7 Pro 32/64 bit **Windows 10 Pro 32-bit NOT SUPPORTED** **Windows 10 Pro 64-bit Only**
Used with Pano Machines	PC-1000 Digital PC-4000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

COMPUTER INFORMATION

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.

Processor (Intel Brand Required)	i5 6th Generation or later
RAM	8 GB
Hard Drive	500+ GB or greater, 7200 RPM or faster
One Available Expansion slot	PCI-Express x16

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

# 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".
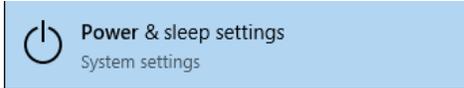
b. On the right side of the window, under Related settings, click "Additional power settings".
c. On the left side of the window, click "Choose what the power buttons do".
d. Near the top of the window click "Change settings that are currently unavailable".
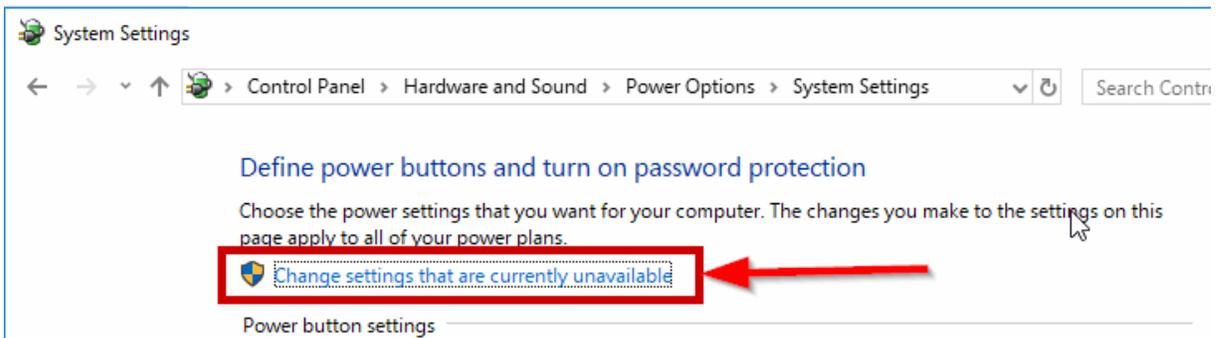

e. Uncheck the boxes.
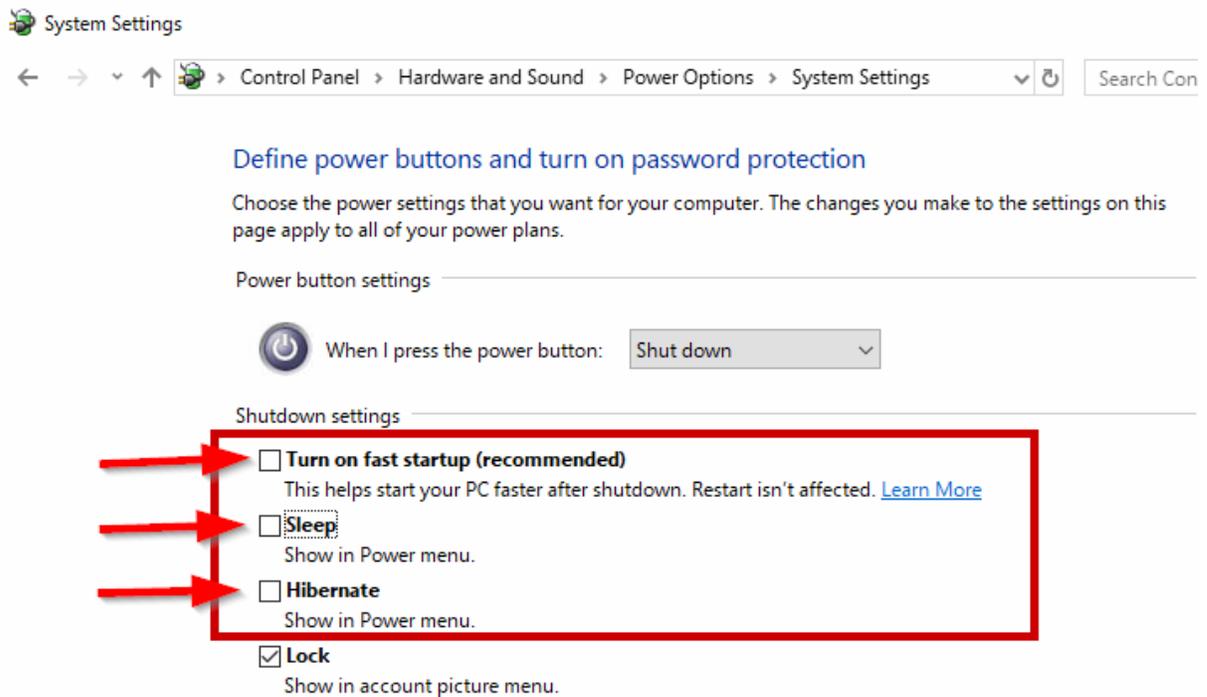
INSTALL SOFTWARE - DENTAL IMAGING SOFTWARE

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.
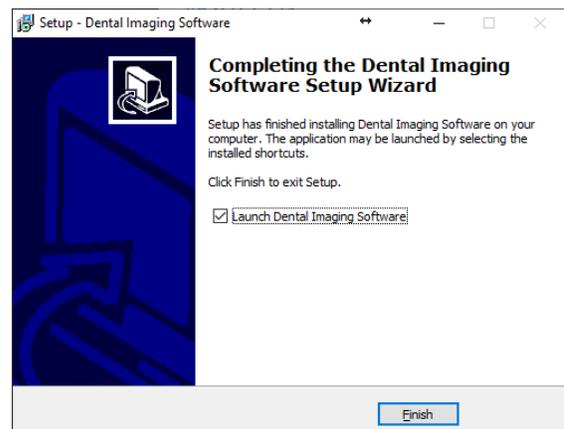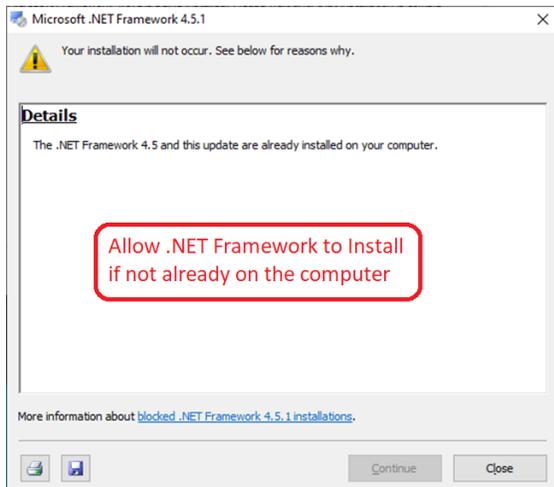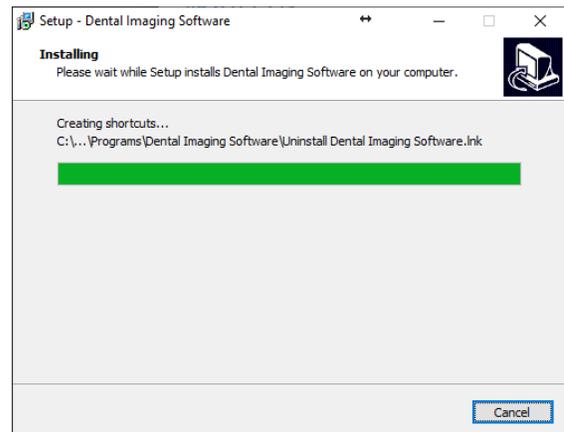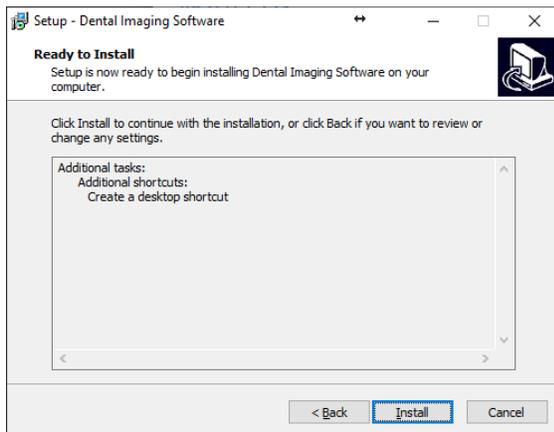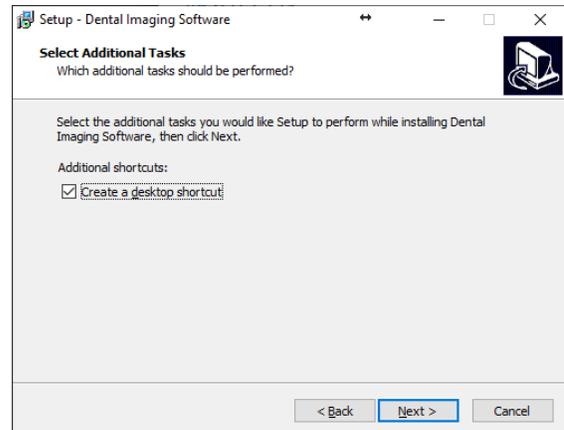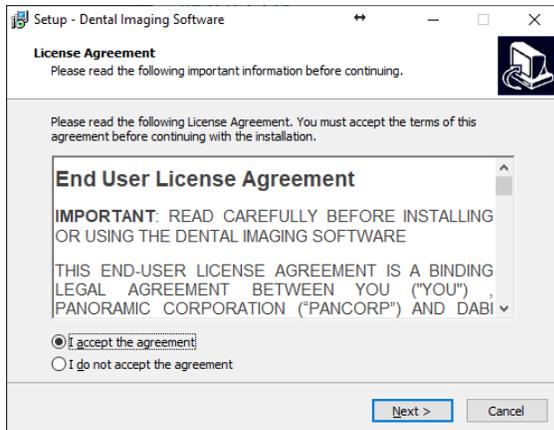
INTEL NIC, CONFIGURE & INSTALL PROTOCOL

a. Right-click on the network icon next to the clock on your taskbar and click "open Network & internet settings".
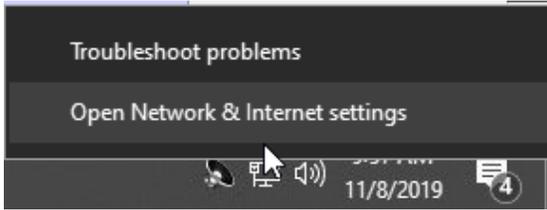
b. Click on "change adapter options".

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

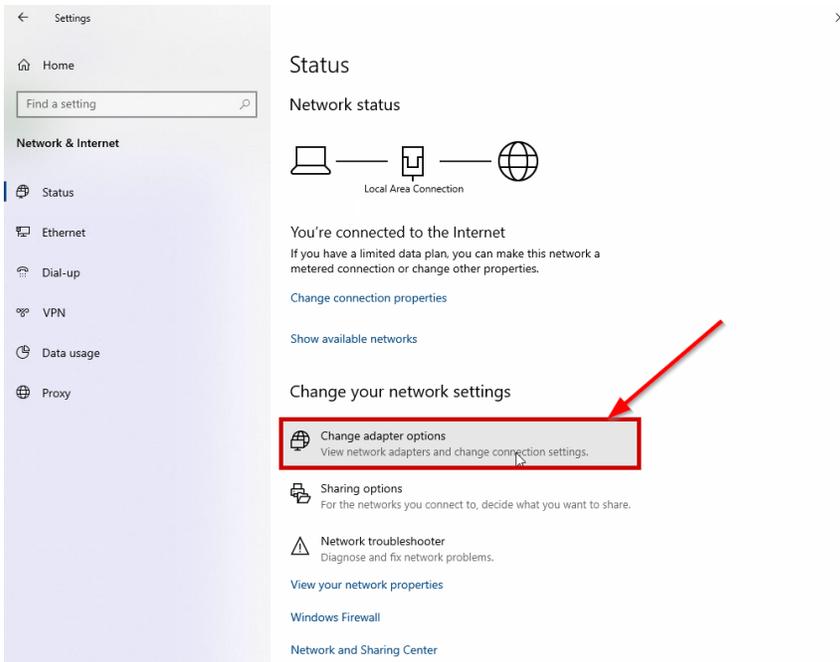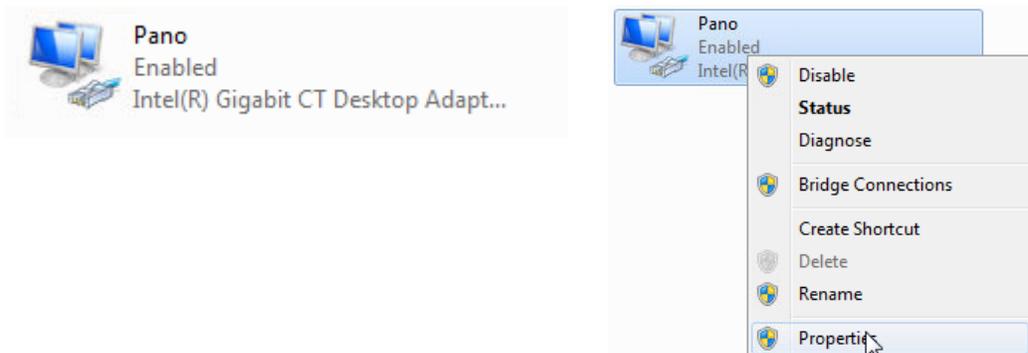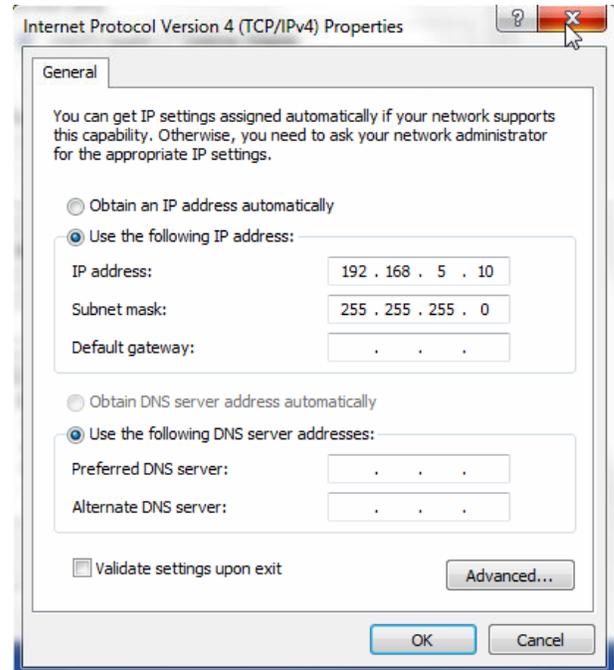d. Uncheck ALL items/protocols for the network adapter, except Internet Protocol Version 4.
e. Double-Click IPv4 (Properties) and set the IP address to 192.168.5.10, and click OK.
f. Click OK on the Interface Properties to Save the IP address.
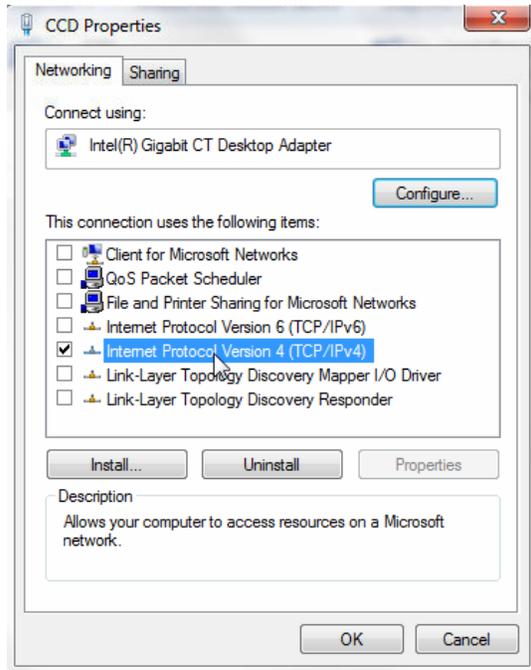
g. Right click on the Intel CT Desktop adapter again and go into the properties, and click the "configure" button in the top right corner.

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
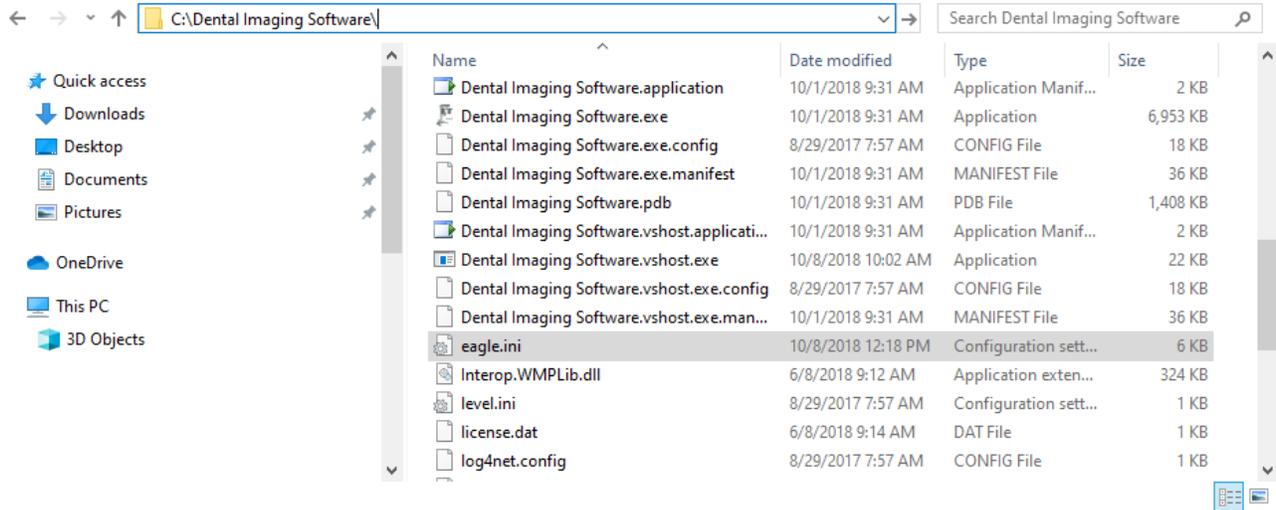
2. The first configuration is your Sensor's IP address.   This is a **CRITICAL STEP**.
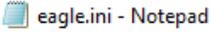3. Overwrite and correct the IP address settings BASED ON WHAT TYPE OF SETUP YOU HAVE

eagle.ini - Notepad
File Edit Format View Help

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

Pan Only
1 sensor

eagle.ini - Notepad
File Edit Format View Help

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

Pan / Ceph
1 sensor

eagle.ini - Notepad
File Edit Format View Help

```
[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.

```
[SOFTWARE_CONFIG]
Language=0
Company=1
PatientFilesFolderPANCEPH=C:\Dental Imaging Software\Patient Images
PatientFilesFolderCBCT=C:\Dental Imaging Software\Patient Images
PANAutoR_L=True
AutoPatientIDName=False
PatientFolderMaxSize=500000000
AutoTemperatureCalibrationPAN=False
AutoTemperatureCalibrationCEPH=True
BasicLicense=False
AdvancedLicense=True
UpgradeRequired=True
SaveImageDefaultExt=tiff
InsertNameFontSize=0
InsertR_LFontSize=0
InsertNamePosition=1
EnableQA=False
```

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

eagle.ini - Notepad
File Edit Format View Help
```
;ToothSystem values: 0 (FDI), 1 (Universal) or 2 (Palmer)
ToothSystem=1

; TwoCCDSensorsOldFirmware = True if configured as two sensors (dedicated) CCD, and they are NOT turn on simultaneously.
TwoCCDSensorsOldFirmware=True

AutoCalibThreshold=12
```

If the machine serial number starts with a '500000', then change the firmware value to **False**

*eagle.ini - Notepad
File Edit Format View Help
```
;ToothSystem values: 0 (FDI), 1 (Universal) or 2 (Palmer)
ToothSystem=1

; TwoCCDSensorsOldFirmware = True if configured as two sensors (dedicated) CCD, and they are NOT turn on simultaneously.
TwoCCDSensorsOldFirmware=False

AutoCalibThreshold=12

PanCephThreshold=2000
```
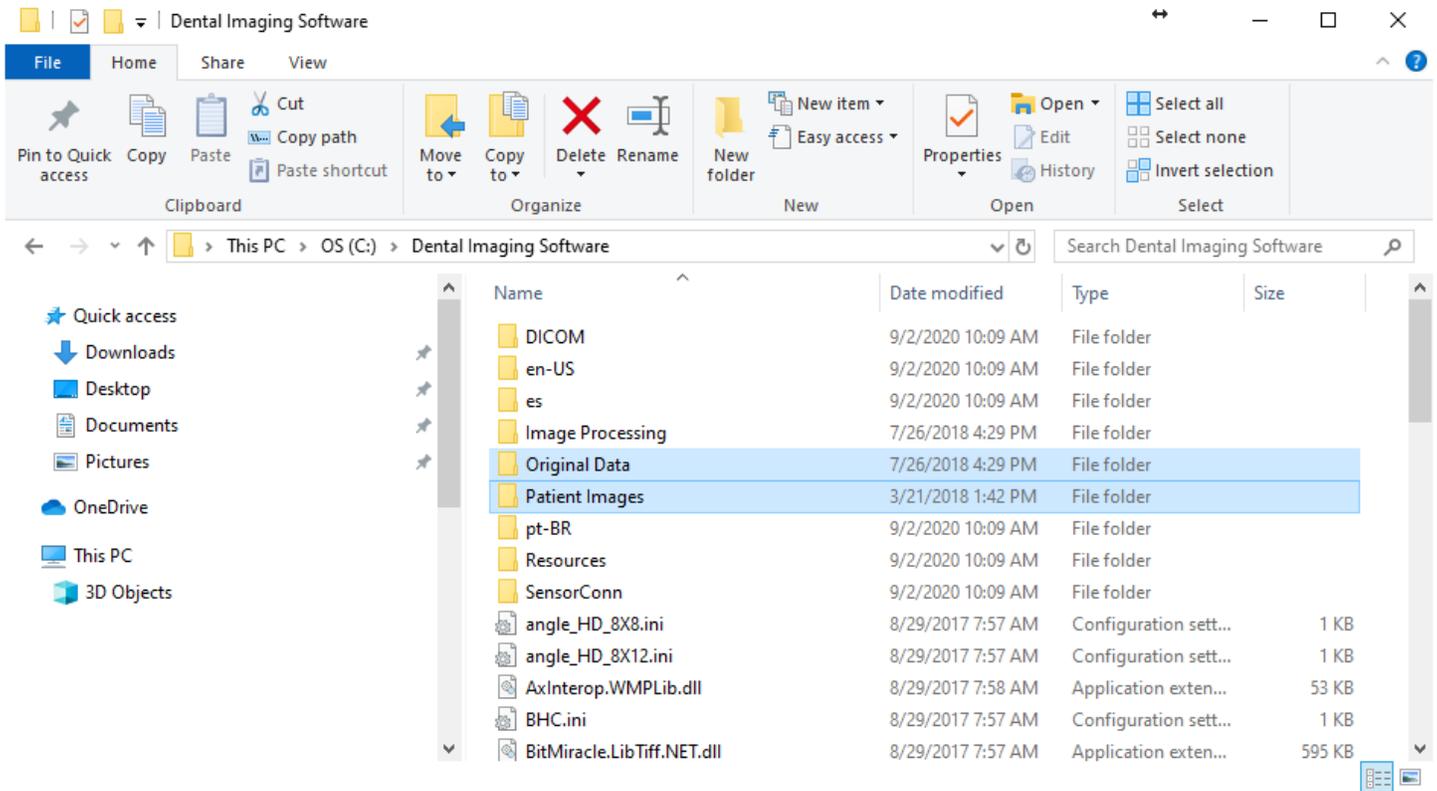
6. Save changes made to the eagle.ini file and close the file/notepad application.

RESTORE THE CALIBRATION FILES

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\

C:\Dental Imaging Software\Patient Images\

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.