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.

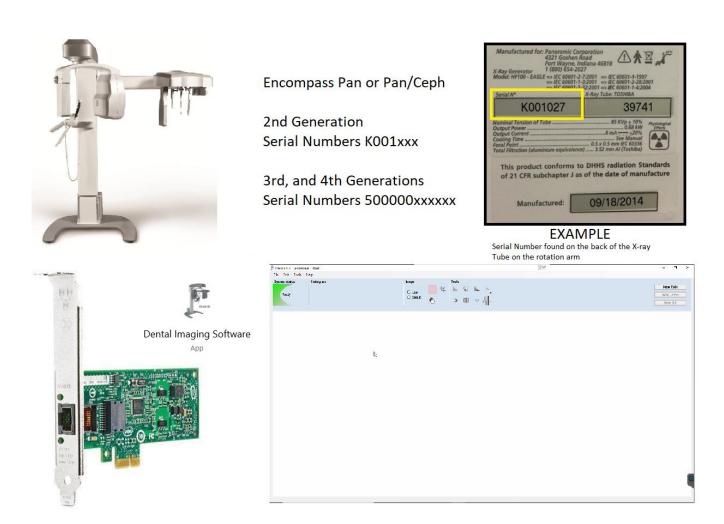
Panoramic Technical Support can be reached at 800-654-2027 / support@pancorp.com for any questions.

DENTAL IMAGING SOFTWARE

Computer & Software Setup Instructions

for a computer with Windows 10 Professional 64-bit

Used with X-ray Machines:



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



Туре	Intel CT Desktop Adaptor
Expansion	PCI Express x1 or x16
Slot	
Size	Full or Half Height
	- call to order different size bracket
Compatible	Windows 7 Pro 32/64 bit
Operating	Windows 10 Pro 32-bit NOT SUPPORTED
Systems	Windows 10 Pro 64-bit Only
Used with	PC-1000 Digital
Pano	PC-4000
Machines	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.

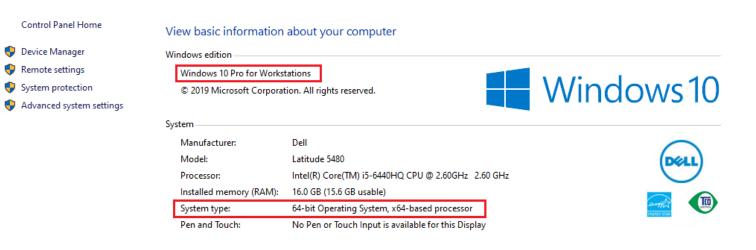
Processor (Intel Brand Required)	i5 6th Generation or later
RAM	8 GB
Hard Drive	500+ GB or greater, 7200 RPM or faster
One Available Expansion slot	PCI-Express x16

VERIFY COMPUTER OPERATING SYSTEM & TYPE

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

Best match This PC App		
Search the web	>	This PC App
		Open Pin to Start Pin to taskbar Manage Map network drive Disconnect network drive Properties
∞ This PC	_	O Ħ

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

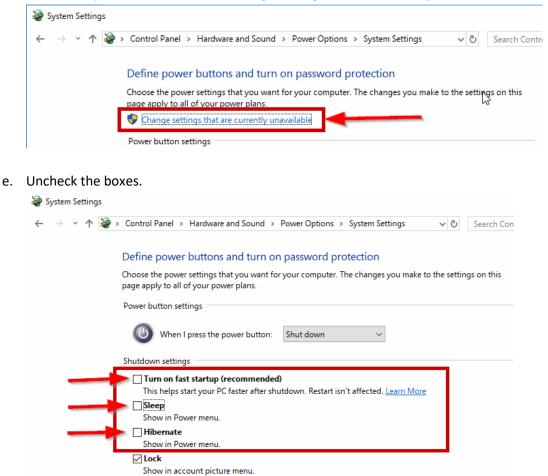


DISABLE SLEEP, HIBERNATE, & FAST STARTUP

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".

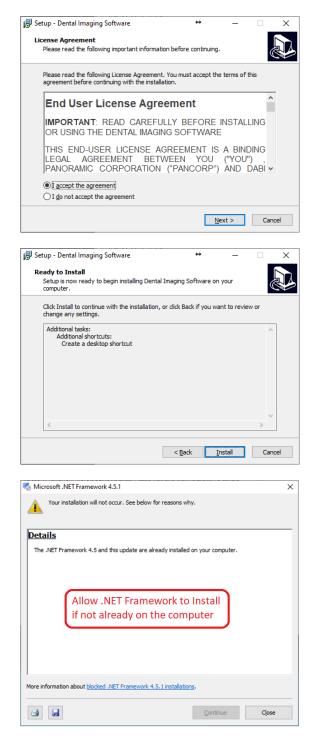


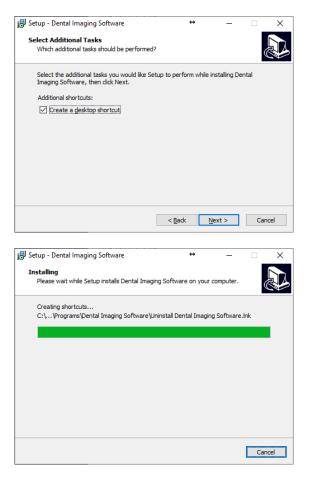
INSTALL SOFTWARE - DENTAL IMAGING SOFTWARE

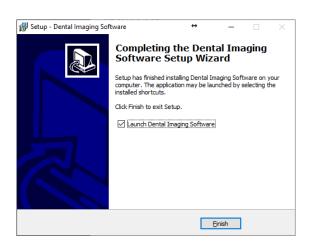
Note: If previously installed, or if this is an upgrade from Windows 7, make sure to uninstall any previous versions

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.

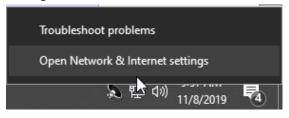






INTEL NIC, CONFIGURE & INSTALL PROTOCOL

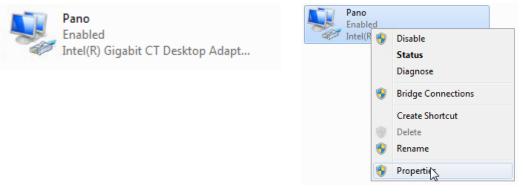
a. Right-click on the network icon Prince next to the clock on your taskbar and click "open Network & internet settings".



b. Click on "change adapter options".

← Settings		×
ம் Home	Status	
Find a setting ρ	Network status	1
Network & Internet	Local Area Connection	
完 Ethernet	You're connected to the Internet If you have a limited data plan, you can make this network a	
🛱 Dial-up	metered connection or change other properties.	
% VPN	Change connection properties	
🕒 Data usage	Show available networks	
Proxy	Change your network settings	
	Change adapter options View network adapters and change connection settings.	
	Sharing options For the networks you connect to, decide what you want to share.	
	Network troubleshooter Diagnose and fix network problems.	
	View your network properties	
	Windows Firewall	
	Network and Sharing Center	

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.

CCD Properties	Internet Protocol Version 4 (TCP/I	Pv4) Properties
Networking Sharing	General	
Connect using: Intel(R) Gigabit CT Desktop Adapter		automatically if your network supports ed to ask your network administrator
Configure This connection uses the following items:	 Obtain an IP address autom Use the following IP address 	· · ·
Client for Microsoft Networks	IP address:	192.168.5.10
	Subnet mask: Default gateway:	255.255.255.0
	Obtain DNS server address	,
Install Uninstall Properties	O Use the following DNS server Preferred DNS server:	r addresses:
Allows your computer to access resources on a Microsoft network.	Alternate DNS server:	• • •
	Validate settings upon exit	Advanced
OK Cancel		OK Cancel

- 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

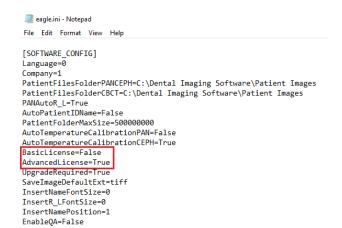
Browse to, and open the eagle.ini configuration file. The default application is to use Notepad.
 C:\Dental Imaging Software\eagle.ini

← → × ↑ C:\Dental Imaging Software\			$\sim \rightarrow$	Search Dental Imaging Software		Q
	^	Name	Date modified	Туре	Size	
📌 Quick access		Dental Imaging Software.application	10/1/2018 9:31 AM	Application Manif	2 KB	
👆 Downloads	*	퇃 Dental Imaging Software.exe	10/1/2018 9:31 AM	Application	6,953 KB	
📃 Desktop	*	Dental Imaging Software.exe.config	8/29/2017 7:57 AM	CONFIG File	18 KB	
🔮 Documents	*	Dental Imaging Software.exe.manifest	10/1/2018 9:31 AM	MANIFEST File	36 KB	
Pictures	*	📄 Dental Imaging Software.pdb	10/1/2018 9:31 AM	PDB File	1,408 KB	
incluies		📑 Dental Imaging Software.vshost.applicati	10/1/2018 9:31 AM	Application Manif	2 KB	
📤 OneDrive		Dental Imaging Software.vshost.exe	10/8/2018 10:02 AM	Application	22 KB	
7.00		📄 Dental Imaging Software.vshost.exe.config	8/29/2017 7:57 AM	CONFIG File	18 KB	
This PC		📄 Dental Imaging Software.vshost.exe.man	10/1/2018 9:31 AM	MANIFEST File	36 KB	
🧊 3D Objects		🔄 eagle.ini	10/8/2018 12:18 PM	Configuration sett	6 KB	
		Interop.WMPLib.dll	6/8/2018 9:12 AM	Application exten	324 KB	
		🔄 level.ini	8/29/2017 7:57 AM	Configuration sett	1 KB	
		📄 license.dat	6/8/2018 9:14 AM	DAT File	1 KB	
	~	log4net.config	8/29/2017 7:57 AM	CONFIG File	1 KB	
					1440	

- 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

ille Edit Format View Help	🗐 eagle.ini - Notepad File Edit Format View Help	ille eagle.ini - Notepad File Edit Format View Help
[SENSORS_IP_CONFIG]	[SENSORS_IP_CONFIG]	[SENSORS_IP_CONFIG]
PANSnapSensor=192.168.5.100	PANSnapSensor=192.168.5.101	PANSnapSensor=192.168.5.100
CEPHSensor=192.168.5.101	CEPHSensor=192.168.5.101	CEPHSensor=192.168.5.101
CEPHSensorType=0	CEPHSensorType=1	CEPHSensorType=2
Pan Only	Pan / Ceph	Pan / Ceph
1 sensor	1 sensor	2 sensors

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



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

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\

📙 🛛 🛃 🤿 🗍 🗢 Dental Imaging Software					↔	_		\times
File Home Share View								^ 🕐
Image: Arrow of the constraint of Quick access Image: Arrow of the constraint of the cons	Move to •	Copy to v	New item •	PropertiesE	Dpen - Select a Edit Select a History Invert s	none		
Clipboard		Organize	New	Open	Sele	d		
\leftarrow \rightarrow \checkmark \uparrow \blacksquare \Rightarrow This PC \Rightarrow OS (C:) \Rightarrow	Dental In	maging Software		5 V	Search Dental Ima	iging Softwa	are	Q
	^	Name	C	ate modified	Туре	Size		^
✤ Quick access ↓ Downloads	*	DICOM	9	/2/2020 10:09 AM	File folder			
		en-US	9	/2/2020 10:09 AM	File folder			
Desktop	*	es	9	/2/2020 10:09 AM	File folder			
Documents	*	Image Processing	7	/26/2018 4:29 PM	File folder			
Pictures	*	📙 Original Data	7	/26/2018 4:29 PM	File folder			
OneDrive		Patient Images	3	/21/2018 1:42 PM	File folder			
		pt-BR	9	/2/2020 10:09 AM	File folder			
💻 This PC		Resources	9	/2/2020 10:09 AM	File folder			
🧊 3D Objects		SensorConn	9	/2/2020 10:09 AM	File folder			
		📓 angle_HD_8X8.ini	8	/29/2017 7:57 AM	Configuration set	tt	1 KB	
		📓 angle_HD_8X12.ini	8	/29/2017 7:57 AM	Configuration set	tt	1 KB	
		🚳 AxInterop.WMPLib.d	II 8	/29/2017 7:58 AM	Application exter	ı	53 KB	
		📓 BHC.ini	8	/29/2017 7:57 AM	Configuration set	tt	1 KB	
	*	BitMiracle.LibTiff.NE	T.dll 8	/29/2017 7:57 AM	Application exter	1	595 KB	

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.

