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 HE-100 Eagle (2D & 3D CBCT)
Machines	Licompass III -100 Lagic (2D & 5D CDC1)
Machines	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

B	Best match This PC App		
s S	Search the web P This PC - See web results Settings (6)	>	This PC App
			Image Image
+			

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

W	indows edition		
	Windows 10 Pro for Works	tations	
	© 2019 Microsoft Corpora	tion. All rights reserved.	Windows 10
Sj	/stem		•
	Manufacturer:	Dell	\bigcirc
	Model:	Latitude 5480	(Dell)
	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.

🗃 System Settings	
← → • ↑ 🦃	> Control Panel > Hardware and Sound > Power Options > System Settings V 🖸 Search Cor
	Define power buttons and turn on password protection
	Choose the power settings that you want for your computer. The changes you make to the settings on this page apply to all of your power plans.
	Power button settings
	When I press the power button: Shut down 🗸
	Shutdown settings
	Turn on fast startup (recommended) This helps start your PC faster after shutdown. Restart isn't affected. Learn More Sleep Show in Power menu.
_	Show in Power menu.
	Show in account picture menu.

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".

← Settings		×
ŵ Home	Status	
Find a setting \wp	Network status	
Network & Internet	$\Box - \Box - \Box$	
🖨 Status	Local Area Connection	
문 Ethernet	You're connected to the Internet	
Dial-up	If you have a limited data plan. you can make this network a 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.	
	Bharing options For the networks you connect to, decide what you want to share.	I
	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/IPv4) Properties	X
Networking Sharing	General	
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	s
Configure	Obtain an IP address automatically	
Contection uses the following items:	O Use the following IP address:	
	IP address: 192 . 168 . 5 . 10	
File and Printer Sharing for Microsoft Networks	Subnet mask: 255 . 255 . 255 . 0	
	Default gateway:	
Link-Layer Topology Discovery Mapper //O Driver Link-Layer Topology Discovery Responder	Obtain DNS server address automatically	
	O Use the following DNS server addresses:	
Install Uninstall Properties	Preferred DNS server:	
Description Allows your computer to access resources on a Microsoft	Alternate DNS server:	
network.	Validate settings upon exit	
OK Cancel	OK Canc	cel

- 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

← → → ↑ 📙 C:\Dental Ima	aging Software\		\sim \Rightarrow	Search Dental Imagin	g Software	P
	^	Name	Date modified	Туре	Size	^
📌 Quick access		Dental Imaging Software.application	10/1/2018 9:31 AM	Application Manif	2 KB	
🕹 Downloads	*	🖉 Dental Imaging Software.exe	10/1/2018 9:31 AM	Application	6,953 KB	
E 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	
	6	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	
		Dental Imaging Software.vshost.exe.config	8/29/2017 7:57 AM	CONFIG File	18 KB	
Le 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	~
						i

- 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



Pan Only 1 sensor

🥘 eagle.ini - Notepad

[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 <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 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\

📙 🎅 📙 🖛 Dental Imaging Software					↔	- 🗆	×
File Home Share View							^ 🕐
Image: Pin to Quick access Copy Paste Copy path Pin to Quick access Copy Paste Paste shortcut	Move to •	Copy to Organize	New item •	Properties Open	open ▼ Select all dit Select non listory Invert select Select	e ction	
\leftarrow \rightarrow \checkmark \uparrow \frown This PC \rightarrow OS (C:) \rightarrow	Dental Im	naging Software		~ Ū	Search Dental Imagin	g Software	Q,
	^	Name	[ate modified	Туре	Size	^
Quick access		DICOM	g	/2/2020 10:09 AM	File folder		
	<u></u>	en-US	g	/2/2020 10:09 AM	File folder		
Documents	<u></u>	es	9	/2/2020 10:09 AM	File folder		
	Ĩ.	Image Processing	7	/26/2018 4:29 PM	File folder		
	×	Original Data	/	/26/2018 4:29 PM	Filefolder		
len OneDrive		Patient Images	5	/21/2018 1:42 PM	File folder		1
This PC		рт-вк	9	/2/2020 10:09 AM	File folder		
3D Objects		SensorConn	3	/2/2020 10:09 AM	File folder		
		angle HD 8X8 ini	3	/29/2017 7·57 AM	Configuration sett	1 KB	
		angle HD 8X12.ini	8	/29/2017 7:57 AM	Configuration sett	1 KB	
		AxInterop.WMPLib.d	III 8	/29/2017 7:58 AM	Application exten	53 KB	
		BHC.ini	8	/29/2017 7:57 AM	Configuration sett	1 KB	
	*	BitMiracle.LibTiff.NE	T.dll 8	/29/2017 7:57 AM	Application exten	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.

Edit Tools Help		
Ready Histogram	Image Tools	New PAN New CEPH