VATECH
Value added Technologies

PaX-i3D

Your First Partner for 3D Diagnosis

POWERFUL DIAGNOSTIC VALUE WITH 3D IMAGES

FLEXIBLE 3D IMAGING WITH MULTI FOV SELECTION

PaX-i3D provides 4 multi FOV sizes ranging from 5x5 to 12x9.
By selecting the appropriate FOV size, you can have the optimum image for your diagnostic needs reducing unnecessary X-ray radiation for patients.
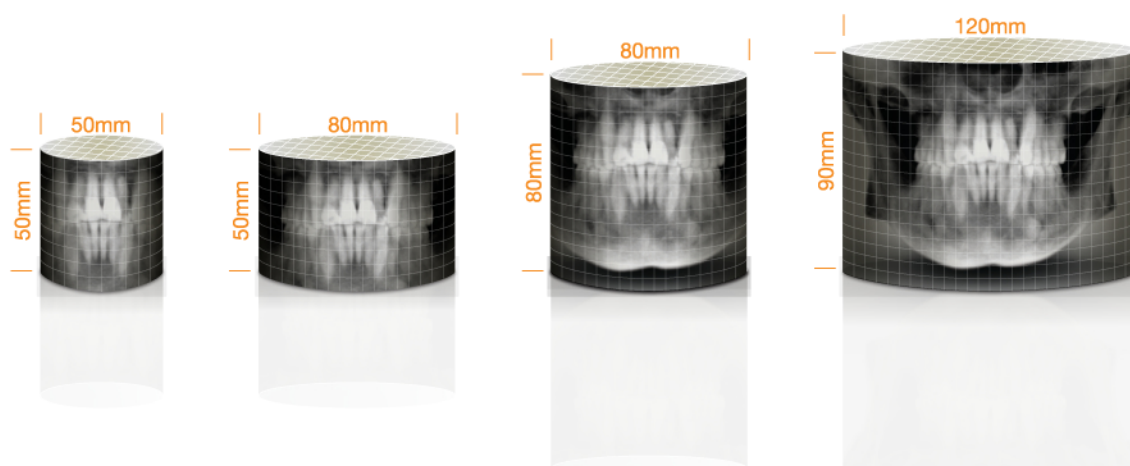

FOV 5X5

5X5 scans are useful for a specific area diagnosis with minimum X-ray exposure for patients. It can especially increase the accuracy of endodontic diagnosis by exactly checking the amount of root canals and abnormal root canal shapes such as C-shapes that are difficult to check using a 2D X-ray system.
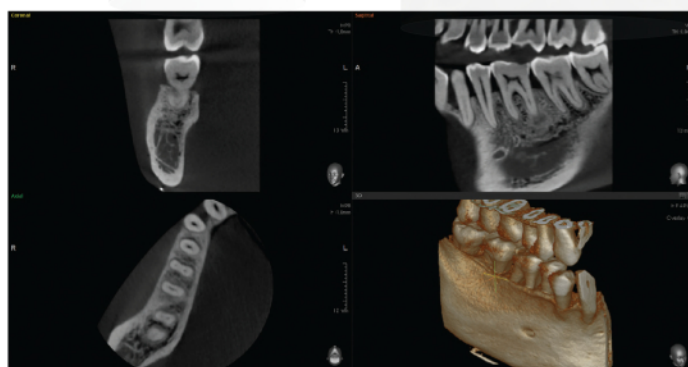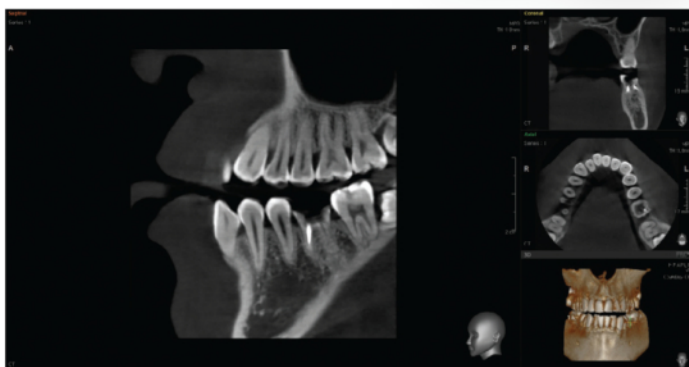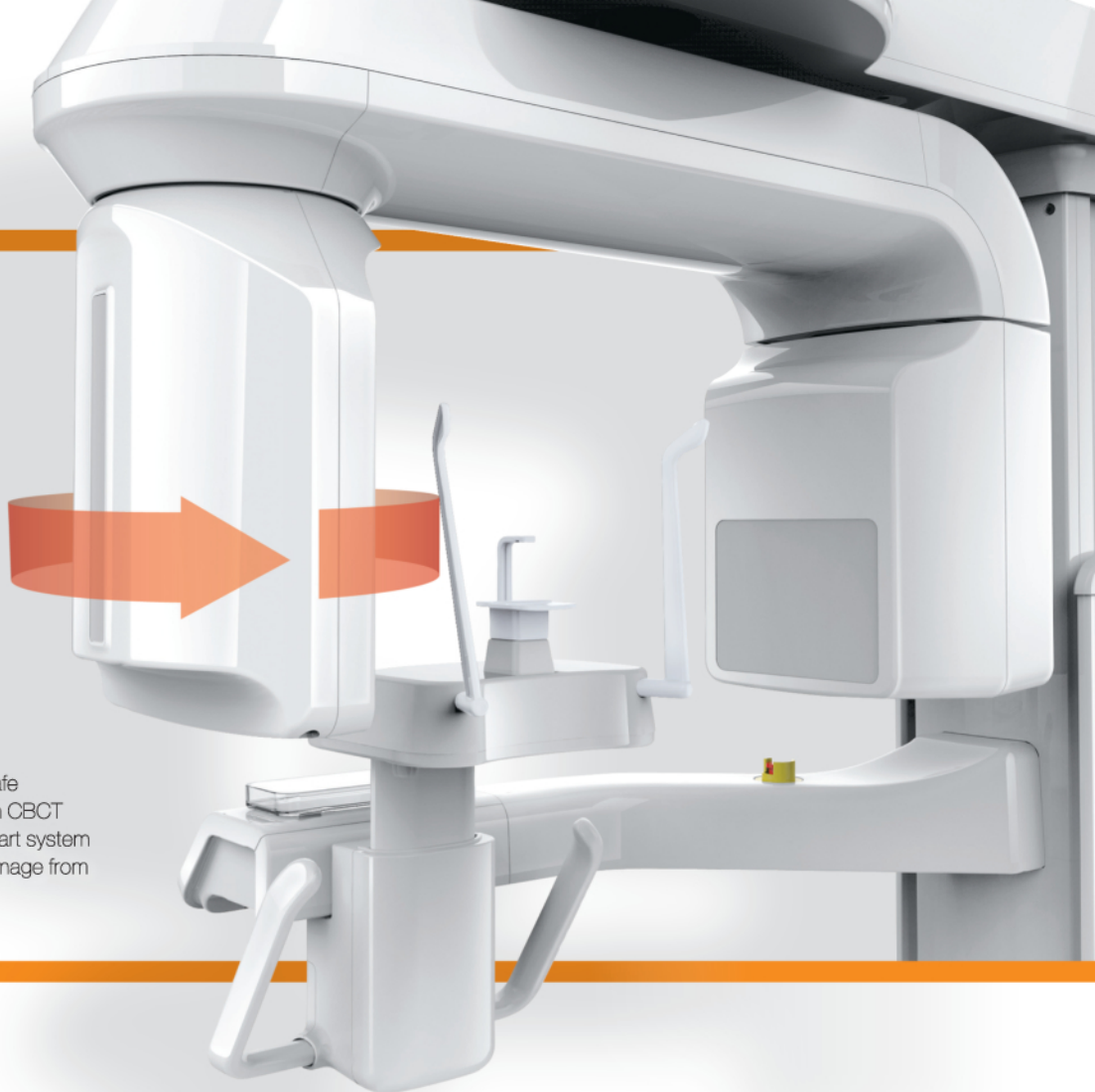

FOV 8X5

8X5 scans can provide more extended oral information on maxillary or mandibular areas. An accurate treatment plan can be established by taking into account the major anatomical structures like mandibular nerve, mental foramen or maxillary sinus.
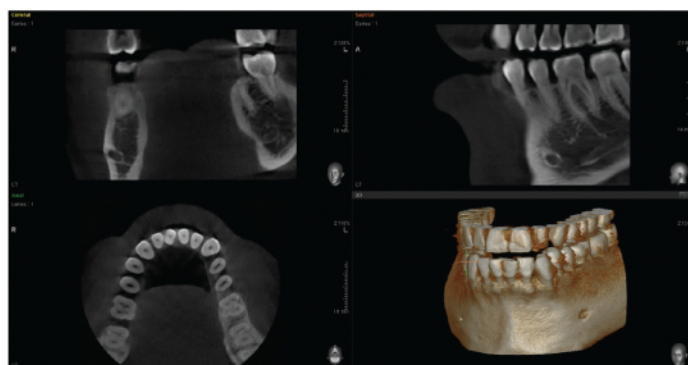
AUTO-SWITCHING

PaX-i3D offers convenient and safe 'Auto-Switching' system between CBCT and Panoramic sensors. This smart system conveniently prevents sensor damage from accidental dropping.

FOV 8X8

8X8 scans enable comprehensive diagnosis and treatment planning including both maxillary and mandibular areas in a single scan. It is useful for complex implant surgery as well as left or right TMJ diagnosis.

FOV 12X9

12X9 scans can provide the most optimal information for oral diagnosis, fully covering both maxillary and mandibular structures including the 3rd molar region in a single scan. It is suitable for most oral surgery cases as well as multiple implant surgery.

POWERFUL DIAGNOSTIC VALUE WITH CEPHALOMETRIC IMAGES

EXTENDED DIAGNOSTIC VALUE FOR WIDE INSIGHT

Cephalometric (Scan type)

PaX-i3D provides optimal images with an exclusively designed sensor for cephalometric diagnosis.
As it offers two image sizes, LAT and Full LAT, you can choose one of them based on your diagnostic needs.

Built-in Sensor System

It enables you to acquire high quality images in a safe and comfortable environment.
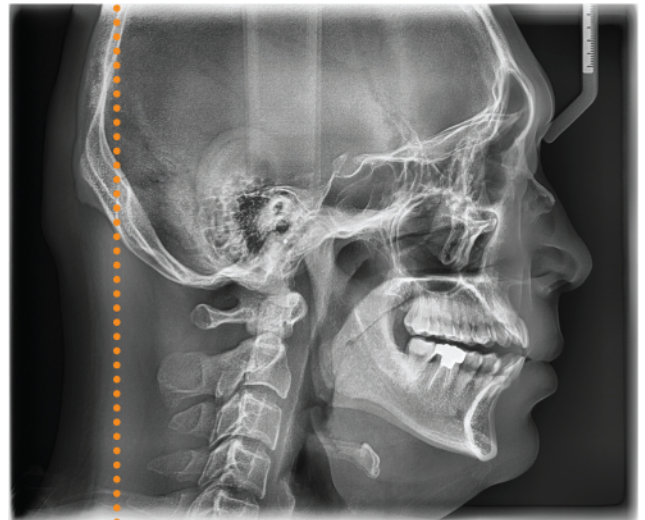You don't need to spend time to change the sensor.

LATERAL

FULL LATERAL

LATERAL
Provide specialized high quality images to suit orthodontics and maxillofacial surgeries.

FULL LATERAL
Full lateral image size is 30% wider and shows the occipital area of the patient, which enables comprehensive diagnosis.

Examination Program	Scan Time (sec.)	Scan Size (cm)
LATERAL	12.9	21 X 23
FULL LATERAL	16.9	25 X 23

ONE SHOT CEPH
With One Shot Ceph, you can acquire high quality images with low X-ray dosage. Plus, short scan time reduces motion artifacts remarkably.

Cephalometric (One Shot type)
Superior image quality will be delivered using the a-Si TFT sensors.
It provides up to three different image sizes in LAT and PA modes reducing unnecessary X-ray dose for patients. It makes your diagnosis more professional.

LATERAL

SMALL 20X20cm (8X8″)   **MEDIUM** 23X25cm (9X10″)   **LARGE** 30X25cm (12X10″)

OP (One Shot Premium)
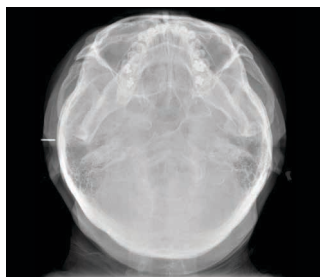
PA   **Carpus**   **SMV (Submentovertex)**

Ez 3D plus

POWERFUL DIAGNOSTIC VALUE
THE HIGHER, FASTER,
EASIER 3D EXPERIENCE

Ez3D Plus is a dental imaging software for PCs that provides accurate and fast diagnosis through 3D visualization, 2D analysis, and various MPR functions to manipulate CT images in a DICOM format. The professional version of Ez3D Plus includes more diverse functions, including canal tracing, implant simulation, and bone density profiling of the area surrounding the implant.
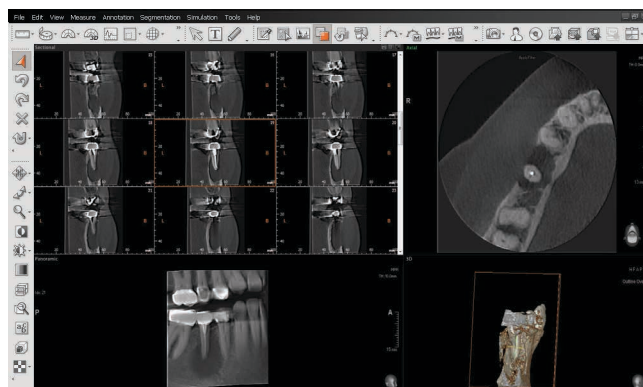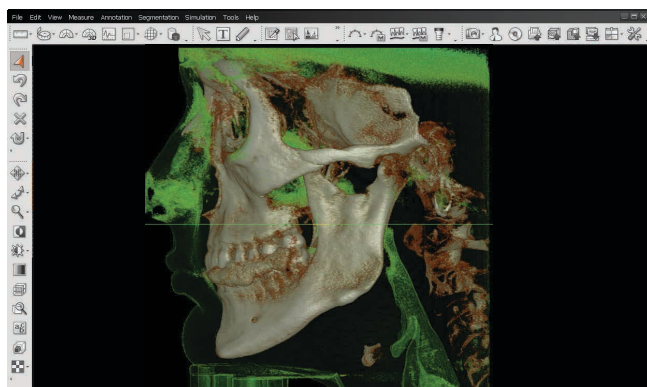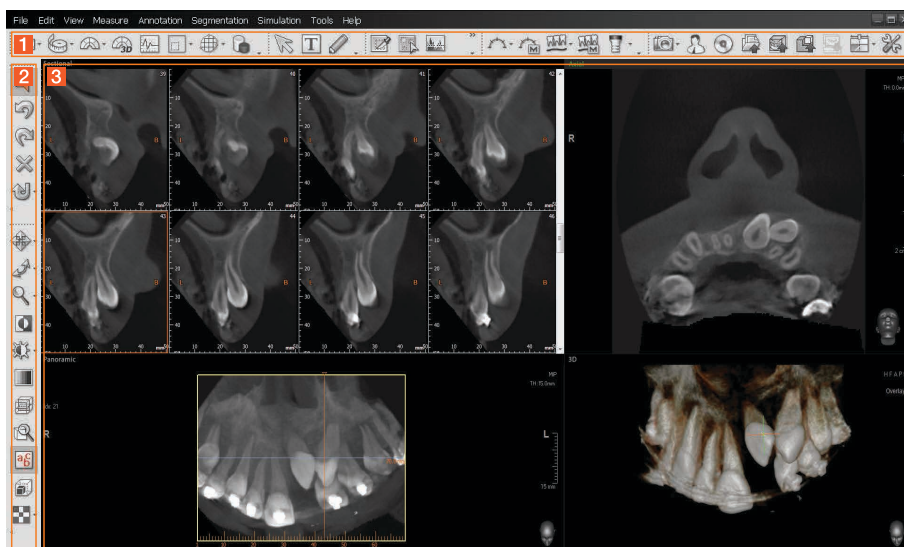
1 Menu Bar
All functions of Ez3D Plus are provided in a pull down menu classified by category.

2 Tool Bar
The tool bar provides the user with the most commonly used tools among the menu functions.

3 View Mode
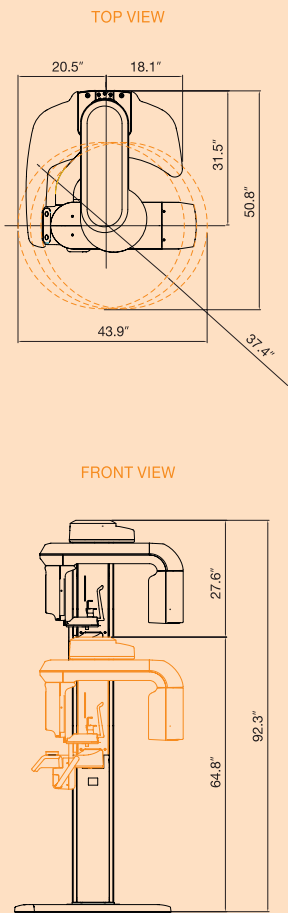View Mode consists of MPR, Oblique, 3D Zoom, Curve, Cephalo and TMJ mode.

PRODUCT CONFIGURATION

	CBCT	PANO	CEPH	
			SCAN	ONE SHOT
PaX-i3D	•	•	–	–
PaX-i3D SC	•	•	•	–
PaX-i3D OP	•	•	–	•

SPECIFICATION (PaX-i3D : PHT-6500)

Function	Pano + CBCT + Ceph
CT - FOV Size(cm)	8X8 : Multi [5X5 / 8X5 / 8X8] 12X9 : Multi [5X5 / 8X5 / 8X8 / 12X9]
Voxel Size	5X5, 8X5 : 0.12mm / 0.2mm, 8X8, 12X9 : 0.2mm / 0.3mm
Scan Time	Pano : 10.1 sec (Normal) Scan Ceph : 12.9 sec (Full LAT -16.9 sec) One Shot Ceph : 0.9-1.2 sec CBCT : Standard_15 sec / High_24 sec

Ceph FOV Size	SC	8.3"X9.1" [LAT,PA,SMV,Waters View,Carpus] 10.6"X9.1" [Full LAT]
	OP	8"X8" [LAT, PA] 9"X10" [LAT, PA] 12"X10" [LAT, PA, SMV, Waters View, Carpus
Gray Scale		14 bit
Patient Position		Standing / Wheel-Chair Accessible
Tube Voltage/Current		50-90 kVp / 4-10 mA

DIMENSIONS

PaX-i3D
Pano / CBCT

TOP VIEW

20.5″ 18.1″ 31.5″ 50.8″ 43.9″ 37.4°

FRONT VIEW

27.6″ 92.3″ 64.8″

PaX-i3D SC
Pano / CBCT / Scan Ceph

TOP VIEW

20.5″ 18.1″ 35.4″ 31.5″ 50.8″ 43.9″ 76.8″ 37.4°

FRONT VIEW

27.6″ 92.3″ 64.8″
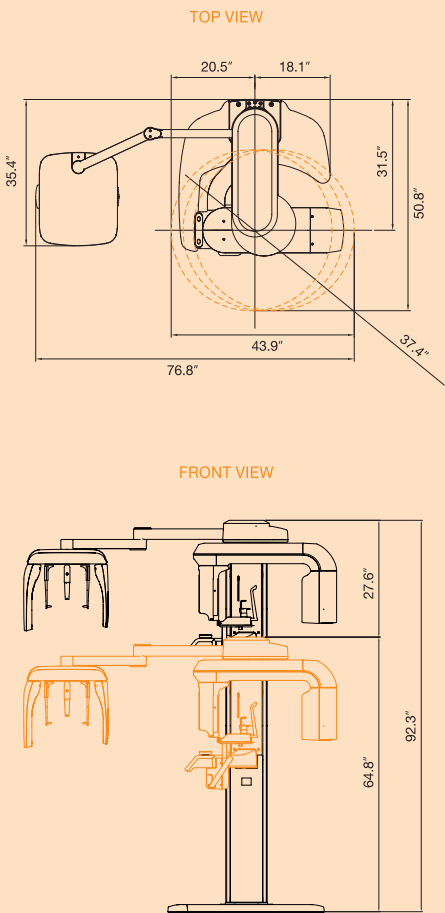
PaX-i3D OP
Pano / CBCT / One Shot Ceph

TOP VIEW

20.5″ 18.1″ 35.4″ 31.5″ 50.8″ 43.9″ 75.9″ 37.4°

FRONT VIEW

27.6″ 92.3″ 64.8″
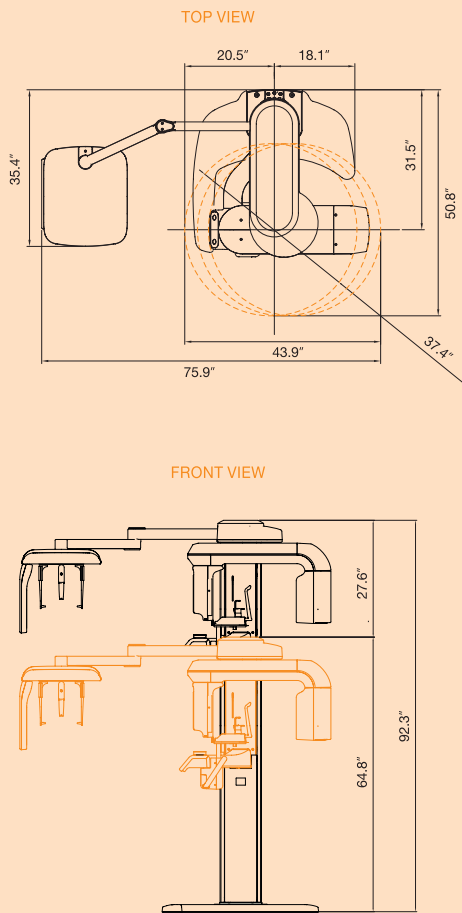
An additional 7.5 inches of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).

VATECH ASSURANCE

VaTech
Value added Technologies

World's Premier Dental Imaging Company

Vatech is a leading manufacturer of radiographic imaging solutions for the medical, dental and veterinary fields with offices in over 70 countries worldwide.

Green CT   PaX-i3D   PaX-i   Ez Ray   Ez Sensor P

Vatech is a leading provider of digital dental radiography products. As the US subsidiary of Vatech Inc., Vatech America is dedicated solely to innovative digital dental X-ray imaging technologies that aid dentists and ultimately help improve the health of dental patients. The company is responsible for technological advances in recent years that offer every American dental practice, from small to large, endless possibilities to achieve higher standards.

Worldwide, Vatech, Inc. has 19 branches and 17 technical support centers. Vatech offers the largest variety of digital diagnostic systems run by a single company, offering 7 different dental CT models and 7 different panoramic X-ray systems. Vatech also develops and manufactures its own digital radiographic sensors, the most critical component of diagnostic X-ray systems. Vatech's vertical integration of critical components, including the sensor technology, allows for higher quality control, increased pace of innovation and ultimately greater value to the customer.

A History of World's Firsts

2005	2007	2008	2009	2013
Launched World-First 3 in 1 Digital X-ray System : **Picasso-Trio**	Launched World-First Auto-Switching System : **PaX-Duo3D**	World-First One Shot Cephalometric : **PaX-Uni3D**	World-First Free FOV System : **PaX-Reve3D**	Groundbreaking Low Radiation System: **PaX-i3D Green**

VaTech
Value added Technologies