



**GENERAL**

		PAPAYA 3D	PAPAYA 3D Plus
Exposure Time	Panoramic	9 ~ 17 sec	9 ~ 17 sec
	Cephalometric	-	-
	CT	-	-
Cephalometric Exposure		-	●
Image Field Height (mm)	Panoramic	152	152
	Cephalometric	-	228
FOV (ø, mm)	40x40(Endo), 70x70 / 80x80(Teeth), 140x80(Jaw), 140x140(Face)		
FOCAL SPOT	0.5mm		
Target Angle	5°		
Maximum Tube Voltage	90kV		
Minimum Tube Voltage	60kV		
Anode Heat Storage Capacity	35kJ		
Maximum Anode Heat Dissipation Rate	250W		
Line Voltage	220 V, 50/60Hz		

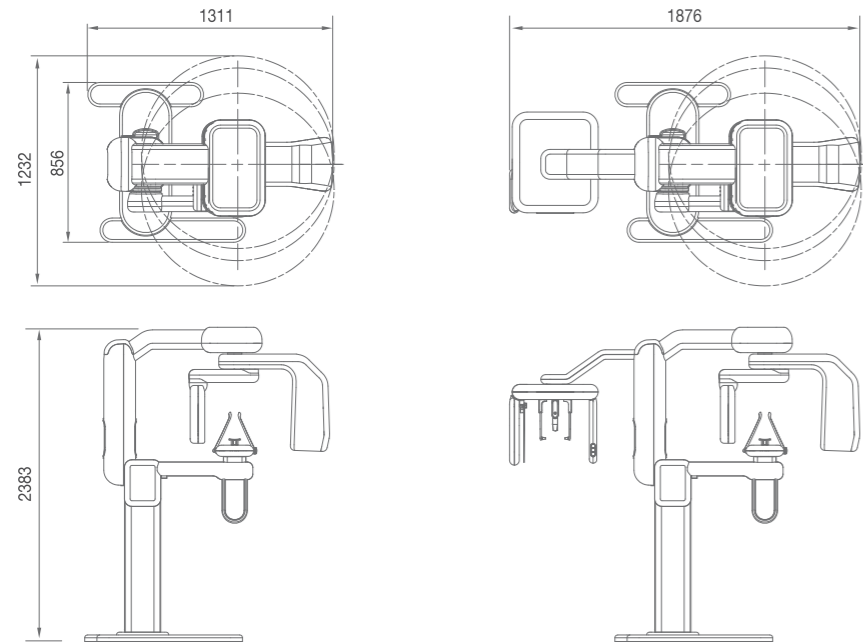
**SENSOR**

	CT	Panoramic	Cephalometric
Type	Indirect Conversion	Indirect Conversion	Indirect Conversion
Detector Technology	CsI + CMOS	CsI + CMOS	CsI + CMOS
Pixel Pitch	-	75 x 75µm	75 x 75µm
Active Area	130.2 x 128 mm	152 x 6.45 mm	228 x 6.45 mm
MTF	-	60% @ 1lp/mm	60% @ 1lp/mm
Dynamic Range	-	-	-
DQE	-	-	-
Frame Rate	-	-	-

\* The specifications above can be changed to improve performance.

**Technical Specifications**

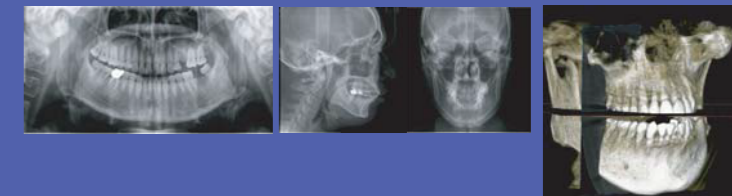
**Dimensions**



**PAPAYA 3D PLUS**  
Combination Imaging System

3D CT  
Panoramic  
Cephalometric

- Multi-FOV Selection
- 8 sec Fast Scan
- Dedicated sensors for each mode
- Safety, stability, durability



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# PAPAYA 3D PLUS

Combination Imaging System

Papaya 3D combines 3DCT, Panoramic and Cephalometric (optional), to meet all diagnostic needs. The versatile imaging capability provides the user with accurate information for implant planning.



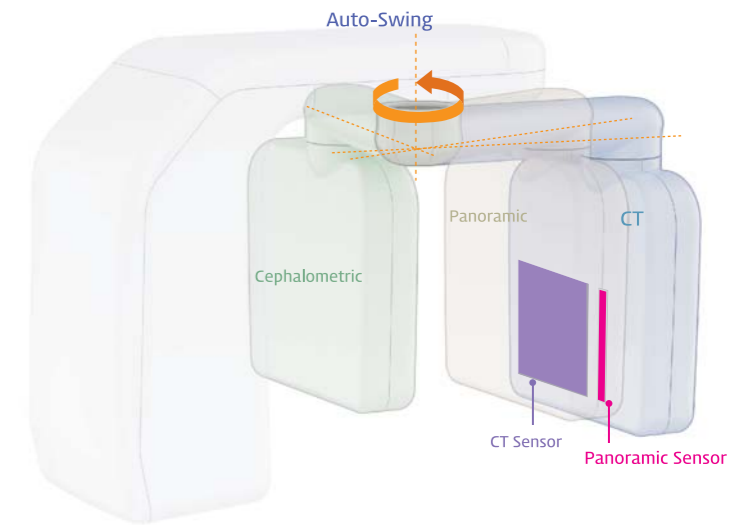
Cephalometric Dedicated sensors

CT, Panoramic Dedicated sensors

PAPAYA CT

Automated sensor switching for each scanning mode.

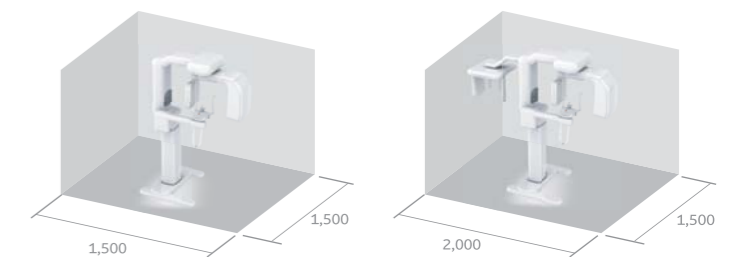
Auto-swing system positions the appropriate sensor without manual intervention.



All axis motorized movement (UP/DOWN/LEFT/RIGHT).

The structure is optimized for safety, stability, and durability.

- Balance prevents position errors during scan
- Stability reduces installation requirements



- Multi-FOV Selection
- 8 sec Fast Scan
- Dedicated sensors for each mode
- Safety, stability, durability



The remote activation control includes an emergency stop button



Convenient storage tray for patient's articles during examination.



Voice prompting for patient guidance and re-assurance.



Face to face layout assists in accurate patient positioning



Motorised raising and lowering with easy incremental adjustments.



Wheelchair access

# 3D CT

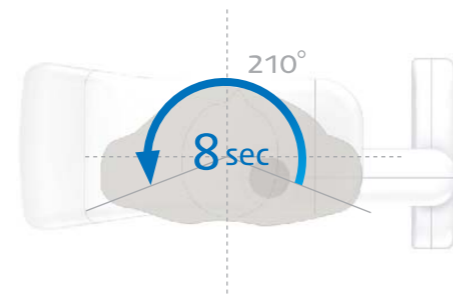
## High Resolution Computed Tomography Technology

Clearly defined images in three dimensions provide users with accurate diagnostic information.



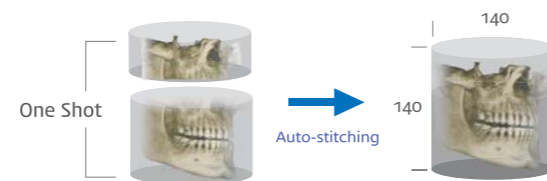
### Fast scan mode **8 sec**

Scanning times of as low as 5.9 seconds reduce dose, motion artifacts and image distortion.



### Auto-stitching technology

The wide high definition images can be enhanced by auto-stitching technology

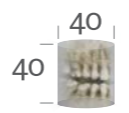


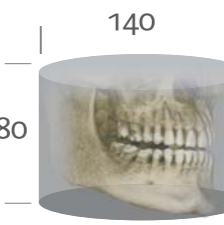


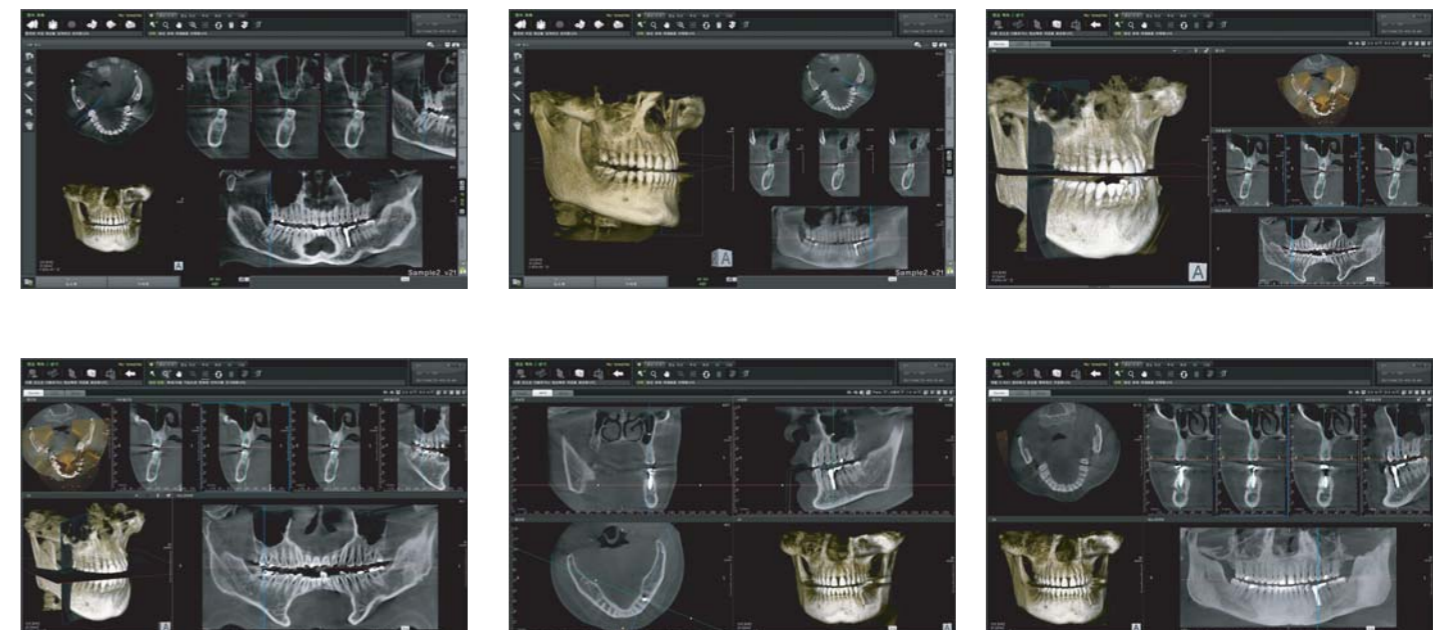
### Dedicated sensor for CT

A separate sensor, optimised for CT imaging ensures the best results.

## Multi-FOV Selection

Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.

 <p>FOV 4x4</p>	 <p>FOV 7x7</p>	 <p>FOV 8x8</p>	 <p>FOV 14x8</p>	 <p>FOV 14x14</p>
<b>Endo</b>	<b>Teeth</b>		<b>Jaw</b> <small>* Optional</small>	<b>Face</b> <small>* Optional</small>
<b>Endodontic</b>	<b>High Resolution</b>		<b>Normal Resolution</b>	
<b>75µm</b>	<b>150~200µm</b>		<b>200~400µm</b>	
Endo mode shows high definition images in a low dose short scan time.	High contrast images of upper / lower jaw enable accurate diagnosis.		Provides an image of the full arch.	full arch including relevant bone areas
<b>Half Scan 8sec</b>			<b>full Scan</b>	



# Panoramic

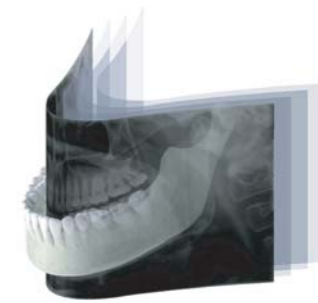
High Resolution Panoramic Technology



- The CdTe sensor produces high quality images while reducing exposure levels.
- The Multi-focus function improves image analysis and avoids the need for re-exposure.
- The combination of linear and rotational movement allows for a greater variety of exposure modes

## Multi-Focus Function

The Multi-focus function can overcome patient mis-positioning. The 5 layers can be explored to select the correctly focused one.



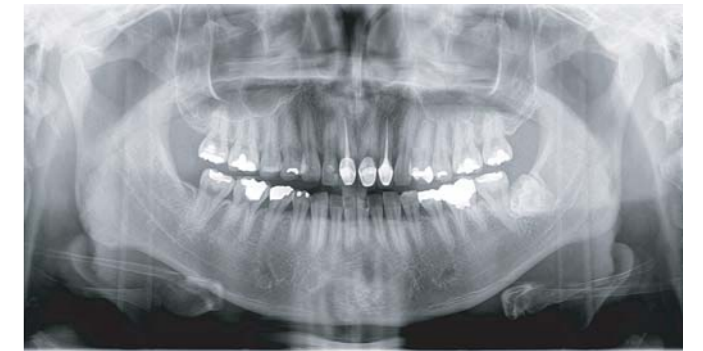
One scan will acquired 5 images. The image separation can be varied from 0.1 to 5 mm.

## Exposure Programs

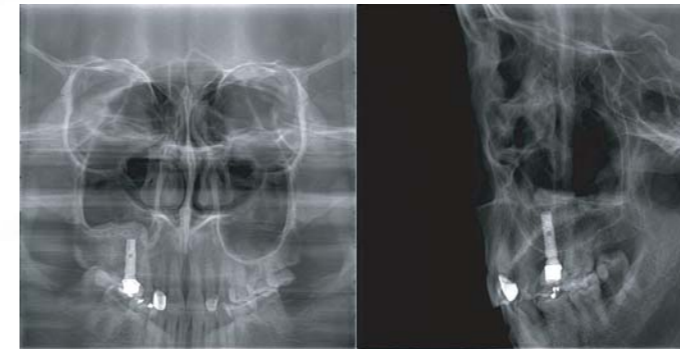
PAPAYA supports various exposure programs, fulfilling all diagnostic needs. Standard panoramic, orthogonal panoramic, bitewing panoramic, child panoramic, TMJ lateral double, horizontal & vertical X-ray segmentation, TMJ PA double, TMJ LAT-PA, TMJ LAT-PA double, sinus lateral and sinus PA are supported.



Standard panoramic



Orthogonal panoramic



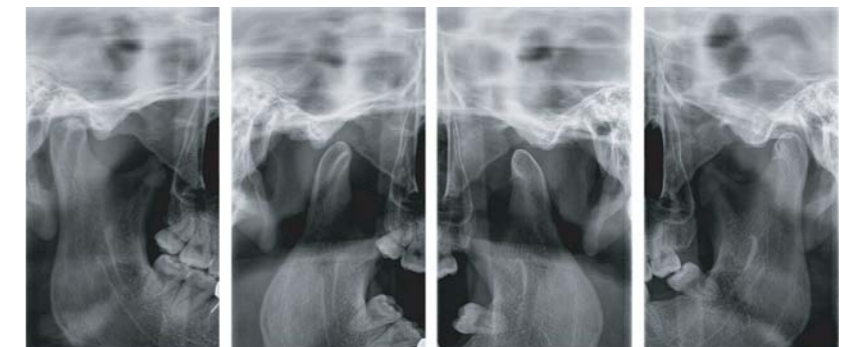
Sinus PA / Sinus lateral midsagittal



X-ray segment



Bitewing



TMJ lateral double

# Cephalometric

High Resolution Cephalometric Technology



- The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability.
- To avoid any operating mistakes, the position sensing sensor aids in all exposure modes.
- Only 4 seconds for scanning a cephalo image in fast mode. This reduces motion artifacts.

## Exposure Programs

PAPAYA PLUS supports various exposure programs to fulfill all diagnostic needs. Lateral, AP, PA, Water's view, Submento vertex, and carpus, are supported.



Lateral



AP



Water's view



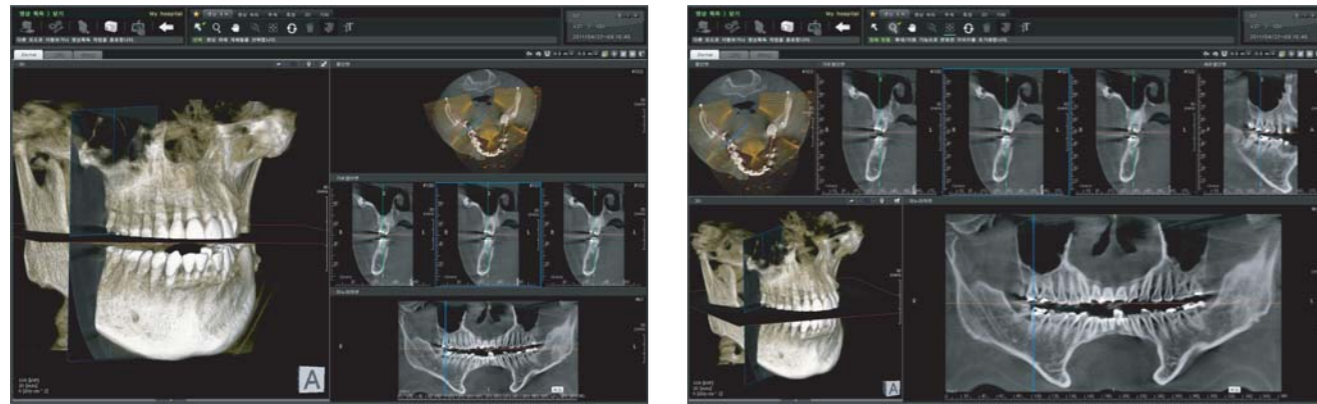
Submento vertex



Carpus

## TRIANA Genoray's 3D reconstruction viewer

Clearly defined images in three dimensions provide users with accurate diagnostic information.



### 3D Volume Rendering

Scanning times of as low as 5.9 seconds reduce dose, motion artifacts and image distortion.

### MPR (Multi-Planar Formatting)

The wide high definition images can be enhanced by auto-stitching technology

### Dental Reformatting

Using panoramic, cross-sectional, and longitudinal 2D view, you can plan your 'perfect' implant positioning!

### Curved MPR

A separate sensor, optimised for CT imaging ensures the best results.

### Measuring tools

High contrast images of upper / lower jaw enable accurate diagnosis.

### Implant planning

Multiple layout support and nerve implementation enables accurate implant planning.

### Support for DICOM 3.0

Supports DICOM 3.0

### CDSee

CDSee generates an external output on CD, DVD or USB storage of 3D volume data with free version of Triana.

Provides an image of the full arch.

## PAPAYA 3D plus operation software

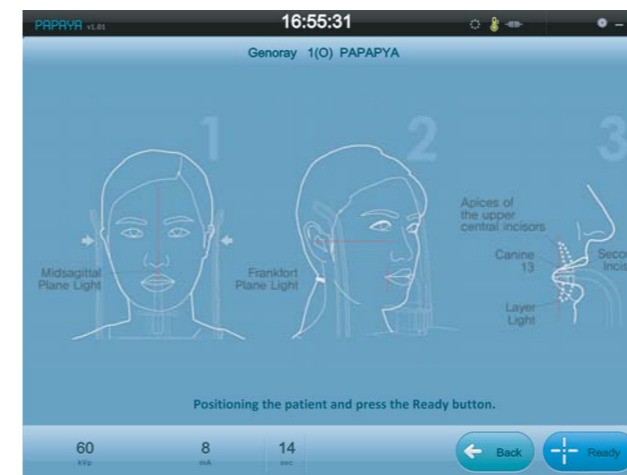
full arch including relevant bone areas



Panoramic exposure mode



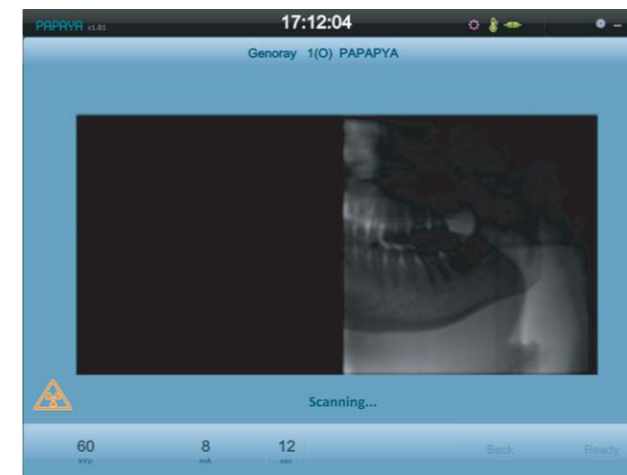
CT exposure mode



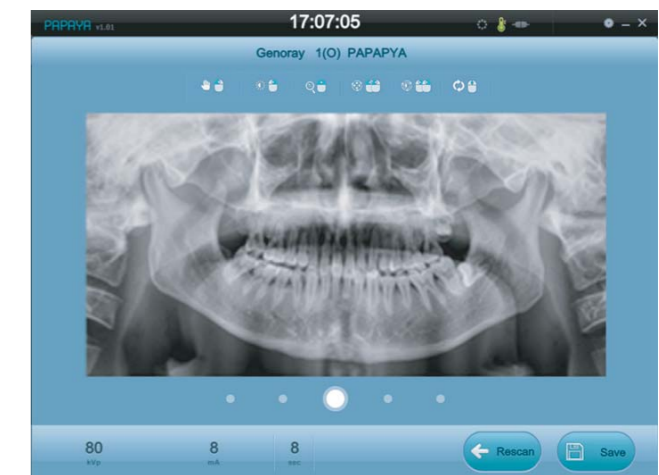
Patient positioning guide



ENT display



Realtime preview



Exposed image display



Endo mode shows high definition images in a low dose short scan time.