Combination Dental X-ray Imaging System

PAPAYA 3D PLUS

GENORAY

Automated sensor switching for each scanning mode.

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

The structure is optimized for safety, stability and durability.

Balance and rigidity prevents position errors during scan Stability reduces installation requirements

All axis motorized movement

UP/ DOWN/ LEFT/ RIGHT

Combines

The **versatile imaging capability** provides the user with accurate information for implant planning.

3D CT, Panoramic, Cephalometric

Multi-FOV Selection	7.7 sec Fast Scan for 3D Image
Dedicated Sensor for Each Mode	Safety, Stability, Durability

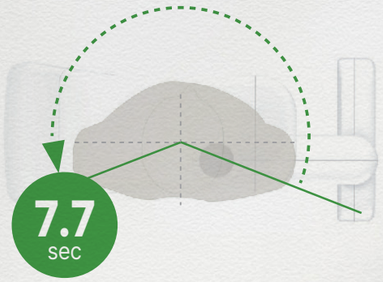
1 The remote activation control includes an emergency stop button 2 Convenient storage tray for patient's articles during examination 3 Face to face layout assists in accurate patient positioning 4 Voice prompting for patient guidance and reassurance. 5 Hand grip 6 Wheelchair access

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

High Resolution Computed Tomography Technology

Fast Scan Mode

Scanning times of as low as 7.7 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

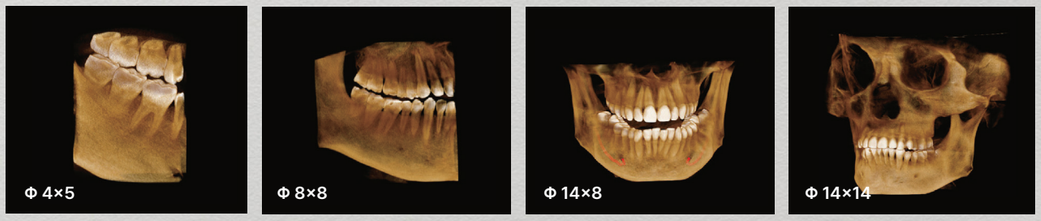
A separate sensor, optimised for CT imaging ensures the best results.

Multi-FOV Selection

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

* Optional

Endo	Teeth		Jaw	Face
Endodontic	High Resolution	High Definition	Normal Resolution	Normal Resolution
75μm	100μm	150μm	200μm	200μm
Endo mode shows high definition images	High contrast images of upper / lower jaw enable accurate diagnosis.		Provides an image of the full arch.	full arch including relevant bone areas



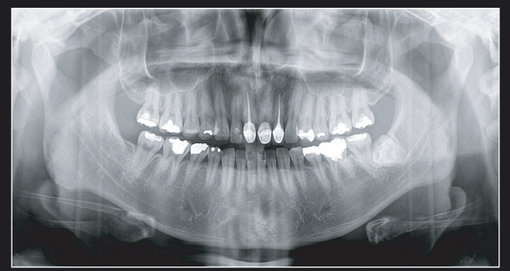
High Resolution Panoramic Image

The combination of linear and rotational movement allows for a greater variety of exposure modes.

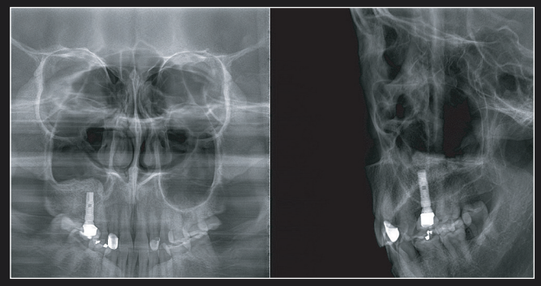
Exposure Programs

PAPAYA 3D PLUS supports various exposure programs, fulfill 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.

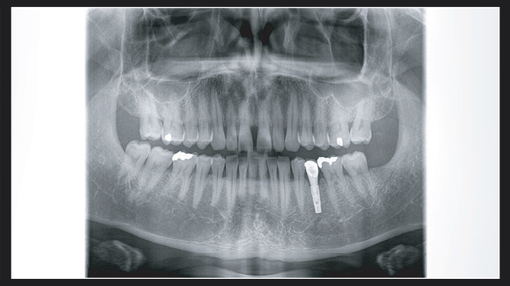
Standard panoramic



Orthogonal panoramic

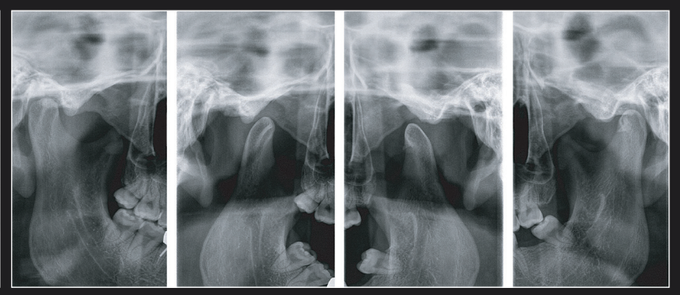


Sinus PA / Sinus lateral midsagittal



X-ray segment

Bitewing



TMJ lateral double

High Resolution Cephalometric Image

- The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability.

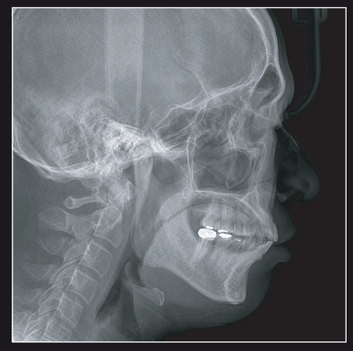
- To optimise result, the sensor automatically positions for each exposure mode

- Only 4 seconds for scanning a cephalo image in fast mode. This reduces motion artifacts.

Cephalometric

Exposure Programs

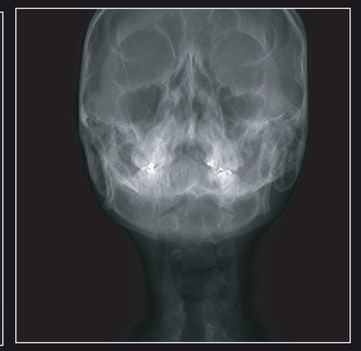
PAPAYA 3D PLUS supports various exposure programs to fulfill all diagnostic needs. Lateral, AP, PA, Water's view, Submento vertex, and Carpus are supported.



Lateral

AP

Submento vertex

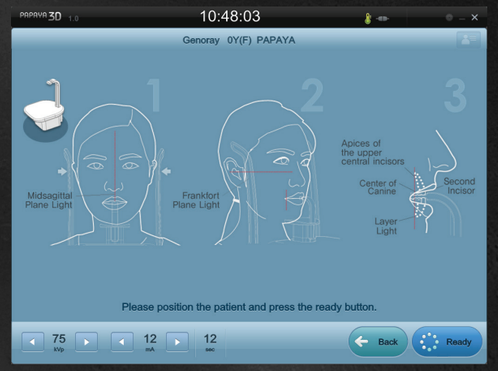


Water's view

Carpus

Operation S/W

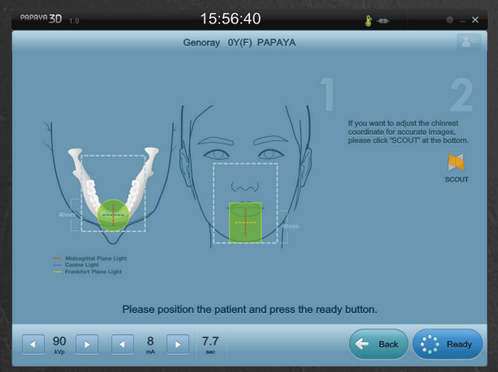
Panoramic exposure mode



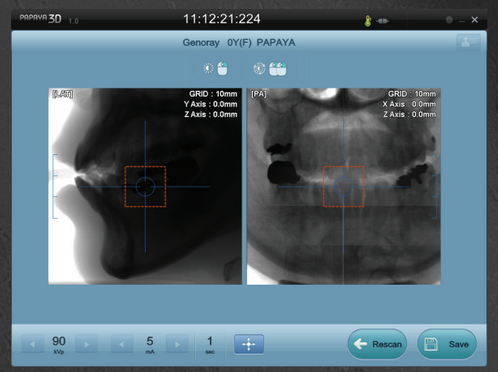
Patient positioning guide

Cephalo exposure mode

CT exposure position (Adult)



Positioning guide for CT patient (Multi fov selection)



SCOUT image screen

Theia S/W

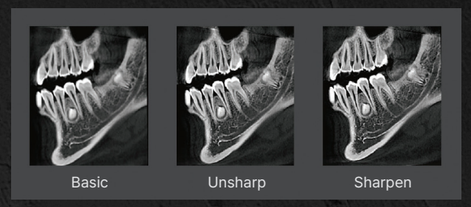
Genoray 3D image viewer
for accurate diagnosis

Theia

Check all information at a glance on the thumbnail layout

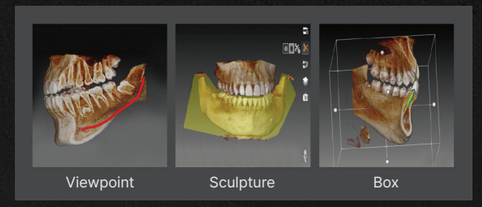
Fast access to the viewer and taking images. Real-time image processing technology.

Real-time Image Processing



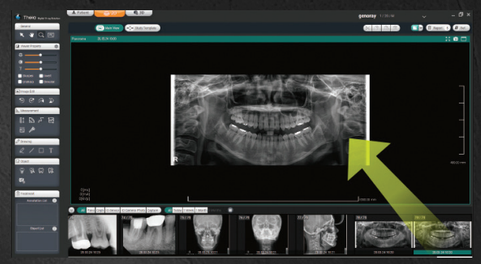
Real-time image processing available with check box tool

Clipping



Excellent cross-sectional view in the desired direction by the user with high Volume Render Quality

AI Customizing Layout

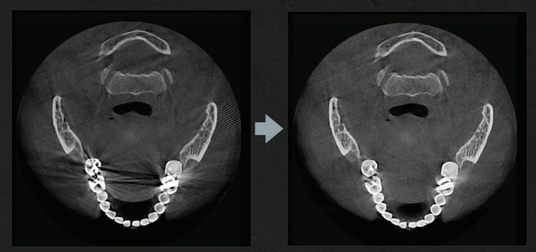


Free formation and Free Layouts with simple drag

7 images (Maximum 9)

Improved image processing

SMARF™(Smart Metal Artifact Reduction Function) minimizes the effect of metal artifacts caused by prosthetics to prevent image degradation.



STL Export

Enable 3D printer and CAD/CAM to be used by converting 3D images to STL data.

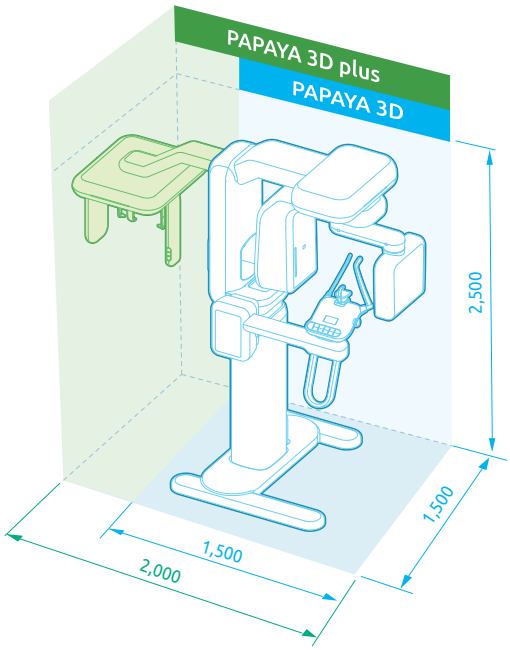
General Specifications

General		PAPAYA 3D	PAPAYA 3D PLUS
Exposure Time	Panoramic	9 ~ 17 sec	9 ~ 17 sec
	Cephalometric	-	4 ~ 12 sec
	CT	7.7/14.5 sec	7.7/14.5 sec
FOV		Φ 40 × 50mm ~ Φ140 × 140mm	
Voxel Size		75~400 µm	
Focal Spot		0.5mm	
Target Angle		5°	
Tube Voltage		60 ~ 90kV	
Tube Current		4~12 mA	
Line Voltage		100-240V, 50/60Hz	

Sensor	CT	Panoramic	Cephalometric
Pixel Pitch	100 × 100 µm	75 × 75 µm	75 × 75 µm
Active Area	130.2 × 128 mm	152 × 6.5 mm	228 × 6.5 mm

* The specifications above can be changed to improve performance without notice.

Dimensions



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CE 2460

* This X-ray unit may be dangerous to patient and operator unless safe exposure factors and operating instructions are observed.

 Ver. P3D(P)-250917-Rev_00_ENG