Technical 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		Φ35 x 40mm ~ Φ140 x 140mm (19 programs available)	
Voxel Size		75~400 μm adjustable	
Focal Spot		0.5mm	
Target Angle		5°	
Tube Voltage		60 ~ 90kV	
Tube Current		4~12 mA	
Line Voltage		220V, 50/60Hz	

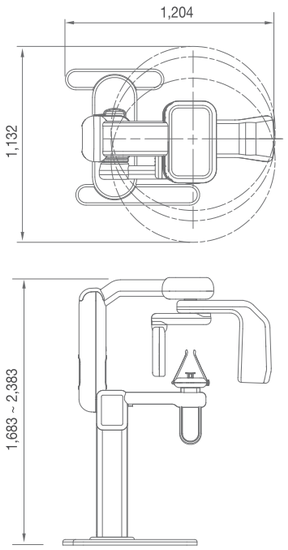
SENSOR

	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 μm	75 x 75 μm	75 x 75 μm
Active Area	130.2 x 128 mm	152 x 6.45 mm	228 x 6.45 mm

* The specifications above can be changed to improve performance.

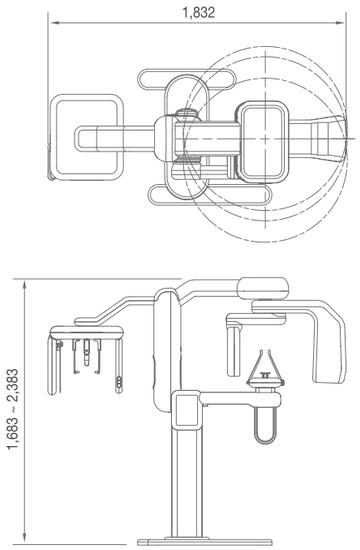
Dimensions

PAPAYA 3D



1,204 x 1,130 x 2,383 mm
145 kg

PAPAYA 3D PLUS



1,832 x 1,130 x 2,383 mm
160 kg

CE 0434

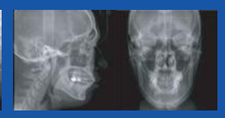
Leader in Digital X-ray System

PAPAYA 3D PLUS

Combination Imaging System

3D CT
Panoramic
Cephalometric

- Multi-FOV Selection
- 7.7 sec Fast Scan for 3D image
- Dedicated three sensors for each mode
- Safety, stability, durability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GENORAY

Dental X-ray Imaging system

PAPAYA 3D PLUS

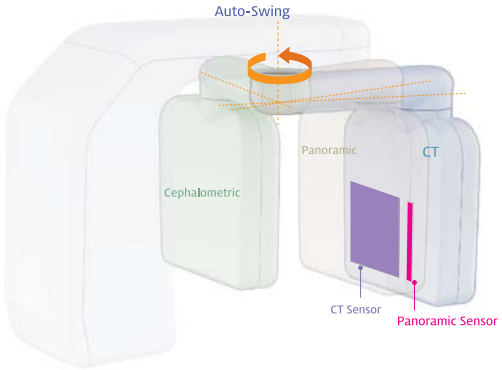
Combination Imaging System

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

- Multi-FOV Selection
- 7.7 sec Fast Scan for 3D image
- Dedicated sensor for each mode
- Safety, stability, durability

Automated sensor switching for each scanning mode.

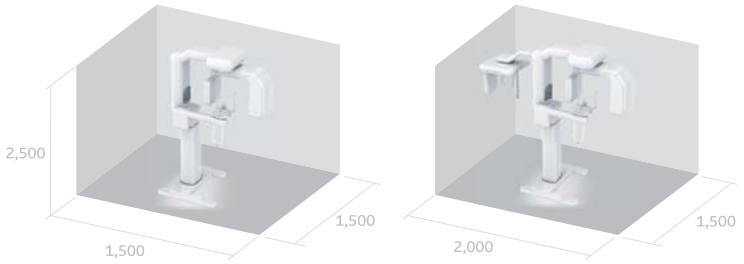
Auto-swing system positions the appropriate sensor without manual intervention.



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

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

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



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

Hand Grip

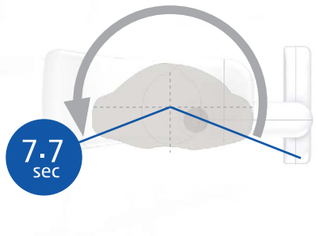
3D CT

High Resolution Computed Tomography Technology

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

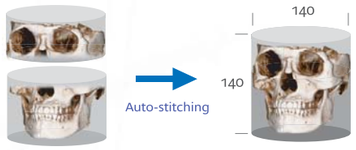
Fast scan mode 7.7 sec

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



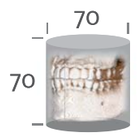
Dedicated sensor for CT

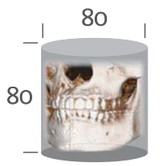
A separate sensor, optimised for CT imaging ensures the best results.

Multi-FOV Selection

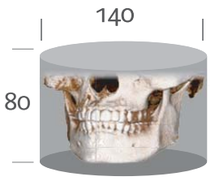
Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.

FOV 4x5

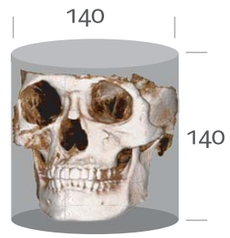




FOV 7x7 FOV 8x8

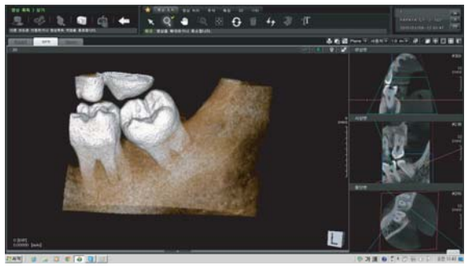


FOV 14x8

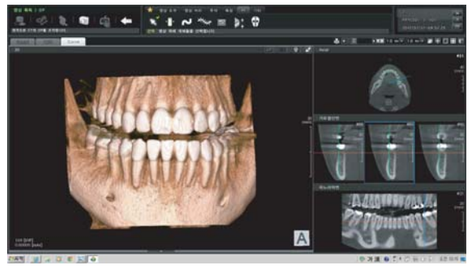


FOV 14x14

Endo	Teeth		Jaw * Optional	Face * Optional
Endodontic	High Resolution	High Definition	Normal Resolution	Low Dose
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

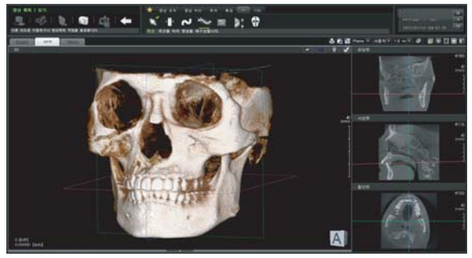


FOV 4x5



FOV 8x8

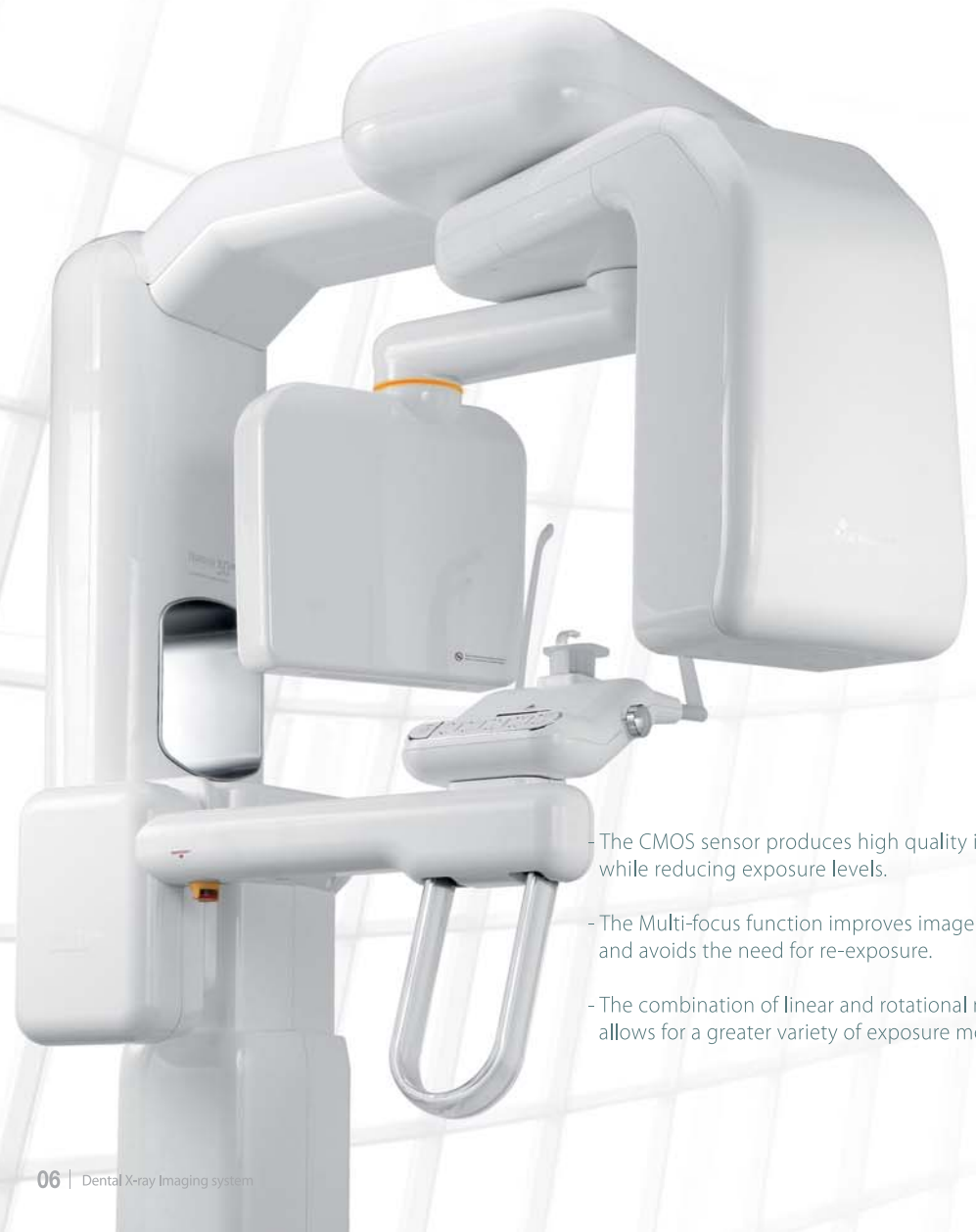
FOV 14x8



FOV 14x14

Panoramic

High Resolution Panoramic Technology



- The CMOS 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

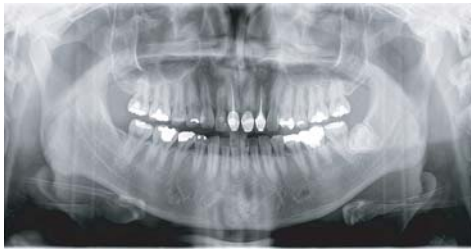
The Multi-focus function can overcome patient mis-positioning, The 5 layers can be explored to select the correctly focused one.

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

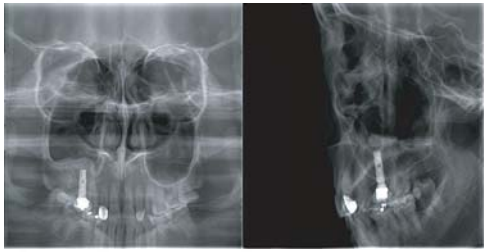
Exposure Programs

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



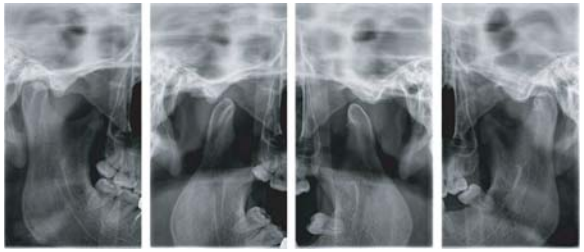
Orthogonal panoramic



Sinus PA / Sinus lateral midsagittal

X-ray segment

Bitewing



TMJ lateral double

Cephalometric Imaging system

Cephalometric

High Resolution Cephalometric Technology

- 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.

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

Water's view

Submento vertex

Carpus

PAPAYA 3D PLUS operation software

Panoramic exposure mode

Patient positioning guide

CT exposure position (Adult)

CT exposure position (Child)

Realtime preview

Exposed image display

TRIANA

Genoray's 3D reconstruction viewer

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

3D Volume Rendering
Various volume rendering options such as Gray, X-ray, MIP and etc provide 3D image visualization

MPR (Multi-Planar Formatting)
MPR mode provides three plain view (axial, cornal and sagittal) on one screen for focused area diagnosis.

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

Curved MPR
Possible to reconstruct the sectional images which is via any curves from Panoramic, Cross-sectional, Longitudinal

Image Color-mapping
Color mapping increases the visibility of lesions

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

Measuring tools
Distance, Angle, Profile, and arrow provides easy to use measuring tools.

Implant planning
Multiple layout support and nerve implementation enables accurate implant planning.

Support for DICOM 3.0