

Digital Panoramic X-ray System

PAPAYA **PLUS**

Combination Dental X-ray Imaging System

PAPAYA PLUS

PAPAYA Plus offers various operations with its compact and economical specifications, including Cephalometric system. With high technology of Panoramic system, it is able to provide CUST (Tomography Imaging system) by 256 cross-sectional slices.



1. Digital Image Detector

Digital Panoramic & Cephalometric Detector

Digital Image Detector (Manufacture)	Extor-C
Detector Type (Material)	CsI / CMOS
Detector Size (mm)	73W x 255H x 21.7D
Active image area (mm)	6.45 x 225
Active Pixels (Image Matrix)	86 x 3,030 pixel
Pixel Pitch	75µm
Data bit	12bit for pixel
DQE (70kV,0lp/mm)	≥ 0.7
MTF (1lp/mm)	≥ 0.6

2. X-Ray Generator

Type	High Frequency Generator (40 kHz)
kV Range	60 - 90kV (1kV steps)
mA Range	Panoramic & Cephalometric 4 - 12mA
Max mA	Panoramic & Cephalometric 12mA
Exposure Time	Panoramic Max 17sec
	Cephalometric Max 12sec

3. X-Ray Tube

Tube Model	D-054SB
Anode Material / Type : Tungsten / Stationary Anode	
Tube Diameter	Max 58mm
Target Angle	5°
Focal Spot	0.5mm
Anode Heat Storage Capacity	35kJ
Anode Cooling rate	Max 250W
Inherent Filtration	0.8mmAl
Added Filtration	2.0mmAl

4. Exposure Mode

Patient Option	Big / Middle / Small / Child
Exposure Resolution	Normal / Fast / HD

Panoramic Mode

Panoramic	Standard / Orthogonal / Bitewing
TMJ	Lateral / PA / LAT-PA
Sinus	Lateral Mid / Lateral / PA(Sinus PA)

Cephalometric Mode

Cephalometric	Lateral / PA / AP / Water's view / SMV / Carpus
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CUST* Mode

Maxillary center

Maxillary right

Maxillary left

Mandible center

Mandible right

Mandible left

* : Option

5. Scan Time

Panoramic Mode

Panoramic	9 – 17sec
TMJ	2 – 12sec
Sinus	3 – 11sec

Cephalometric Mode

Cephalometric	4 – 12sec
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CUST* Mode

SCOUT	Max 35sec
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* : Option

6. Acquisition / Software

Workstation

CPU	G4400 3.3Ghz
RAM	8GB (DDR4 2400)
HDD	1TB (C: 150GB / D: 750GB)
OS	Windows 10 64bit
Removable Storage	CD/DVD & USB2.0

TRIANA™

Control by Contrast, Brightness and Window/Level
Zooming / Panning
Measuring the Distance, Angle and Area
Image Inversion Flip and Rotation
Magnifying Glass
Image Processing (Unsharp-mask)
Drawing Free-pen, Line, Rectangle, Ellipse and Text
Implant Drawing & Library
Image Comparing (Up to 4 at once)
Managing Image Mounts and Viewing for each Modalities
Import Images (Twain, PACS Retrieve, Import)
Export Images (DICOM Print, PACS Storage, CD Burn, Export)

THEIA™

Control by Contrast, Brightness, Gamma and Window/Level

Zooming / Panning

Measuring the Distance, Angle, Area and Scalar-Profile

Image Inversion flip and rotation

Image Processing(Sharpen, Unsharp-mask, Denoising)

Drawing Free-pen, Line, Figure and Text

Implant Drawing & Library

Crown Drawing & Template

Image Comparing (Up to 9 at once)

Managing Image Mounts and Viewing for each Modalities

Import Images (Twain, PACS Retrieve, Import)

Export Images (DICOM Print, PACS Storage, CD Burn, Export)

Report Template & Print

Displays

Screen	21.5"(55cm) LED Color Display
Image Matrix	1,920 x 1,080 Pixels (Full-HD)
Maximum Brightness	250 cd/m ²
Contrast Ratio	1:1,000

DICOM Features

DICOM Storage (Send/Receive)

DICOM Query/Retrieve

DICOM Print

DICOM Worklist Management

7. Operating Environment

Nominal Line Voltage	AC 100 – 240V
Input Current	20A
Line Frequency	50/60Hz
Phase	Single Phase

For Storage

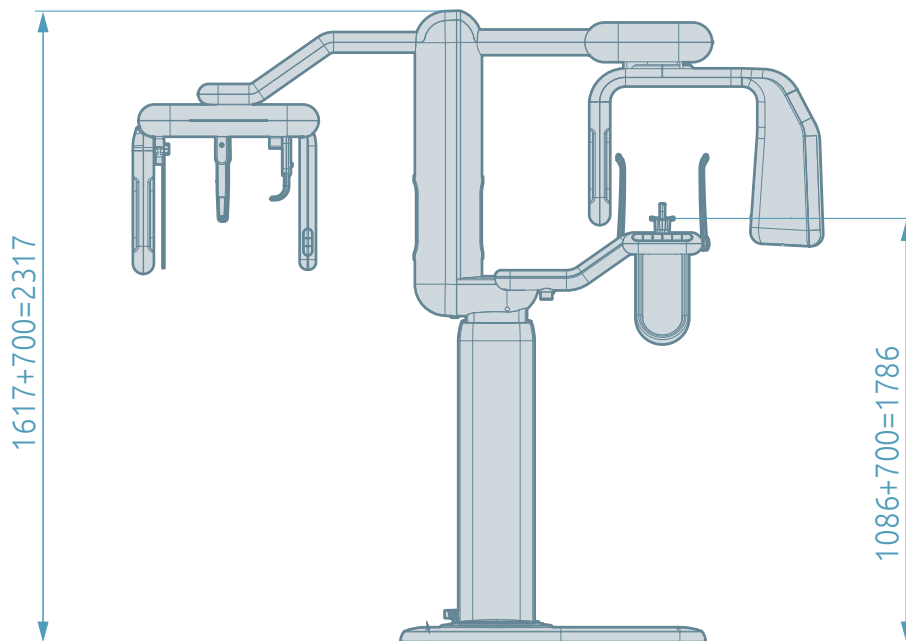
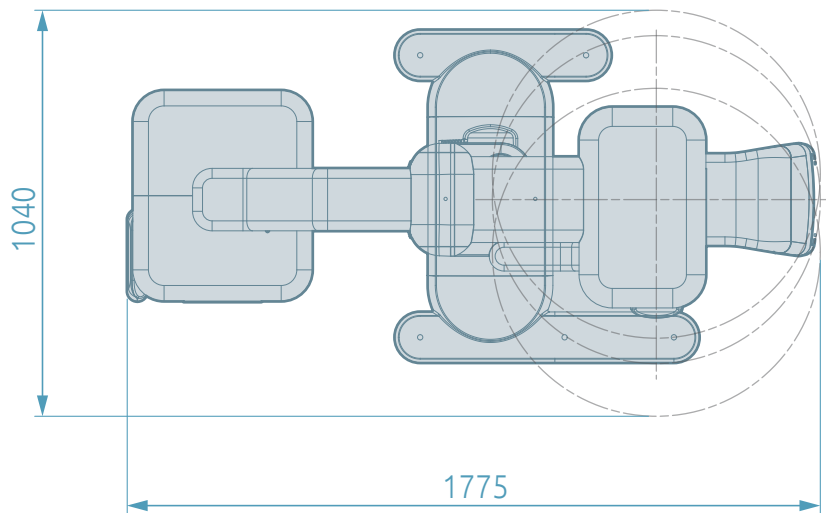
Temperature	-20 – 55°C (Detector: -15 – 55°C)
Relative Humidity	10 – 90% RH (No dew condensation)
Atmospheric Pressure	500 – 1,060hPa

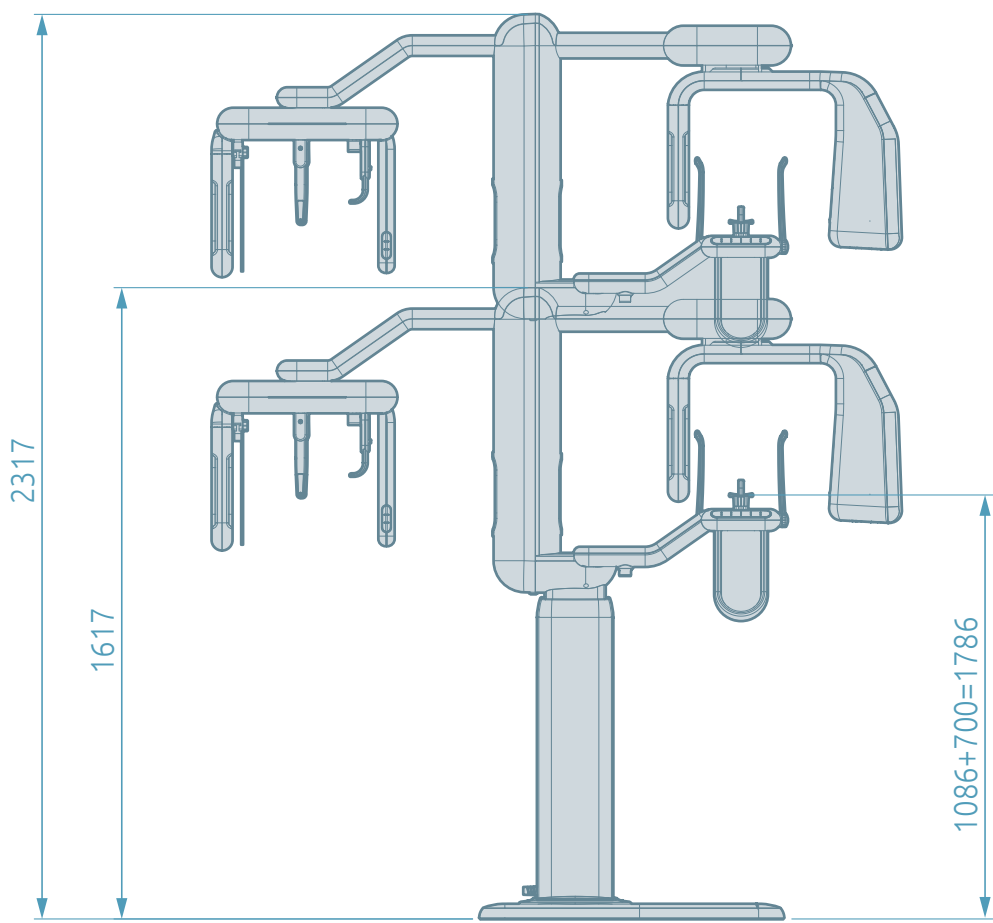
For Operation

Temperature	10 – 35°C
Relative Humidity	30 – 75% RH (No dew condensation)
Atmospheric Pressure	800 – 1,060hPa

8. Dimensions

- Weight : 110kg \pm 5%
- Dimension : 1,150(W) x 1,090(D) x 2,317(H) mm







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