**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.

**Specifications -**
- 19 FOV - 3.5x4 to 16x14 (CT)
- World class Endo image quality (75 Micron Voxel)
- 7.7 sec Fast Scan for 3D image
- Dedicated sensor for CT, Ceph & Pano
- Scout Mode - avoid positioning errors

*Auto-Swing*

- 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 & durability.
  - Balance & rigidity prevents position errors during scan
  - Stability reduces installation requirements

**19 FOVs**

19 FOVs: FOV 4x5, FOV 7x7, FOV 8x8, FOV 16x8, FOV 16x14
PAPAYA 3D PLUS operation software -
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 etc provide 3D image visualization

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

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

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

Image Color-mapping
Color mapping increases the visibility of lesions

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

Complete Implant Library

Support for DICOM 3.0

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

---

**Technical Specifications - PAPAYA 3D PLUS**

<table>
<thead>
<tr>
<th>Exposure Time</th>
<th>Panoramic</th>
<th>9 ~ 17 sec</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cephalometric</td>
<td>4 ~ 12 sec</td>
</tr>
<tr>
<td></td>
<td>CT (SS)</td>
<td>7.7/14.5 sec</td>
</tr>
<tr>
<td>FOV</td>
<td>Φ35 x 40 mm ~ Φ160 x 140 mm (19 programs available)</td>
<td></td>
</tr>
<tr>
<td>Voxel Size</td>
<td>75~200 μm adjustable</td>
<td></td>
</tr>
<tr>
<td>Focal Spot</td>
<td>0.5mm</td>
<td></td>
</tr>
<tr>
<td>Target Angle</td>
<td>5º</td>
<td></td>
</tr>
<tr>
<td>Tube Voltage</td>
<td>60 ~ 90 kV</td>
<td></td>
</tr>
<tr>
<td>Tube Current</td>
<td>4~12 mA</td>
<td></td>
</tr>
<tr>
<td>Line Voltage</td>
<td>220V, 50/60 Hz</td>
<td></td>
</tr>
</tbody>
</table>

**Sensor Specifications - PAPAYA 3D PLUS**

<table>
<thead>
<tr>
<th></th>
<th>CT</th>
<th>Panoramic</th>
<th>Cephalometric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel Pitch</td>
<td>100 x 100 μm</td>
<td>75 x 75 μm</td>
<td>75 x 75 μm</td>
</tr>
<tr>
<td>Active Area</td>
<td>130.2 x 128 mm</td>
<td>152 x 6.45 mm</td>
<td>228 x 6.45 mm</td>
</tr>
</tbody>
</table>

---

**Sensor Specifications - PAPAYA 3D PLUS**

<table>
<thead>
<tr>
<th></th>
<th>CT</th>
<th>Panoramic</th>
<th>Cephalometric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel Pitch</td>
<td>100 x 100 μm</td>
<td>75 x 75 μm</td>
<td>75 x 75 μm</td>
</tr>
<tr>
<td>Active Area</td>
<td>130.2 x 128 mm</td>
<td>152 x 6.45 mm</td>
<td>228 x 6.45 mm</td>
</tr>
</tbody>
</table>
PAPAYA with Cubical Semi tomography (CUST) provides accurate tomographic Cross Sectional information for Diagnosis, Implant planning & follow-up of implants. It can also be used for accurate measurement of dimension of lesions & planning of surgical procedures.

- When planning the implant, CUST image helps understanding the jaw structures with sectional images.
- CUST image is economical compared to expensive CBCT scan.

Specifications -
- Panoramic imaging
- Cubical Semi-tomography imaging
- Variable focal trough
- User friendly
- Latest Face to face positioning
- Fit each individual’s jaw shape
- Voice support system
- Wheelchair accessible
- Self standing

Exposure Programs -
- Standard Panoramic | Orthogonal | Bitewing | Bitewing Right | Bitewing Left | Child Orthogonal | TMJ Lateral | TMJ Lateral Double | Segmentation | TMJ PA | TMJ PA Double | TMJ Lat. PA | TMJ Lat. PA Double | Sinus Lateral | Sinus Lateral Mid, Sinus PA | Child, Female, Male & Athlete |

### Scout Image
- Exposure Time: 5 sec
- Exposure Values: 66-76 kV/6-10 mA

### Projection Image
- No. of Projection images: 10
- Scan Time: 1 min 20 sec
- Exposure Time: 3 sec / projection, 30 sec totally
- Exposure Values: 66-85 kV/6-10 mA

### Reconstruction (Cross-sectional) Image
- Field of View: 50x50x103mm/256x256x530 voxels
- Voxel Size: 0.195mm
- Measurement Error: < 1 mm
- Reconstruction Time: < 1 min (GTX650)
sopix

A successful X-Ray every time with minimal exposure to radiation

The patented ACE TECHNOLOGY freezes the image during acquisition to protect it from over-exposure.

Acquire perfect image the first time and every time!

X-Ray without the X-tra work
+ SOPIX integrates the best of modern technology (Fiber-optic based CMOS + Scintillator)
+ The ACE (Automatic Control Exposure) technology makes it possible to control the amount of X-Rays accumulated by the sensor resulting in consistently clear images
+ Sopix together with Sopro Imaging allows you to check the quality of the power supplied by the USB port of your computer
+ Exceptional Image quality - High definition images and striking contrasts can be achieved to greatly simplify diagnoses

Fast & Easy to Use - Save time with a sensor that is always ready to acquire. The image is displayed immediately

Striking Contrast For A More Reliable Diagnosis: Thanks to the use of broad spectrum optical microfibers, the different tooth anatomic structures, such as the bone, roots, pulp... are highlighted extreme precision on the image

Smart Design For Better Comfort: White side stripes ensure high visibility of the sensor in the dark area of the mouth, to correctly position the X-Ray tube perpendicular to the sensor.

Rounded edges & corners improve patient comfort

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**Technical Specifications**

<table>
<thead>
<tr>
<th>Sensor</th>
<th>CMOS + Optic Fibre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>CMOS + Optic Fibre</td>
</tr>
<tr>
<td>Resolution</td>
<td>25 lp/mm</td>
</tr>
<tr>
<td>Pixel Size</td>
<td>20 µm x 20 µm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>25 x 39 mm</td>
</tr>
<tr>
<td>Active Area</td>
<td>600 mm² (20 x 30 mm)</td>
</tr>
<tr>
<td>Number</td>
<td>1.50 million</td>
</tr>
<tr>
<td>Scintillator</td>
<td>Gadox</td>
</tr>
<tr>
<td>Controller</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>Connection</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>USB Cable</td>
<td>3.70 m</td>
</tr>
<tr>
<td>Supplied</td>
<td>Sopro Imaging</td>
</tr>
</tbody>
</table>
FONA CDRelite
THE LATEST DIGITAL INTRA ORAL SENSOR
FOR MODERN IMAGING SOLUTION

CDRelite is an intraoral sensor that combines outstanding image quality, long-term durability, ease of use and a design focused on patient comfort.

✦ CMOS with APS technology for excellent image quality
✦ Always ready for exposure - Button-Free sensor activation
✦ Available sizes (active area):
  a- 0 (18x24 mm)  b- 1 (20x30 mm)  c- 2 (26x36 mm)
✦ Round edges for patients’ comfort
✦ User friendly software
✦ Superior image quality with reduced scan time with low x-ray dose or radiation
✦ Plug-in type USB 2.0 PC guarantees the user convenience and simple interaction.
✦ Flexible cable - Bend resistant and strain relief

Now SIRONA SELECT DIGITAL SENSOR will be FONA CDRelite with same advanced features

<table>
<thead>
<tr>
<th>Technical Specifications</th>
<th>Sensor Size 0</th>
<th>Sensor Size 1</th>
<th>Sensor Size 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>CMOS APS (Active Pixel Sensor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signal-to-Noise</td>
<td></td>
<td>120:1</td>
<td></td>
</tr>
<tr>
<td>Sensor thickness</td>
<td></td>
<td>&lt; 5 mm</td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td></td>
<td>High Speed USB 2.0 upgrades</td>
<td></td>
</tr>
<tr>
<td>External dimensions</td>
<td>31x22 mm</td>
<td>37x24 mm</td>
<td>43x30 mm</td>
</tr>
<tr>
<td>Active sensor area</td>
<td>24x18 mm</td>
<td>30x20 mm</td>
<td>36x26 mm</td>
</tr>
<tr>
<td>Cable length</td>
<td>0.90 m - 1.80 m - 2.70 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension wire</td>
<td></td>
<td></td>
<td>5 meter to increase working area</td>
</tr>
</tbody>
</table>
Key Features:

- HD Quality Sensor
- Water & Dust resistant
- Direct USB Plug-and-play
- Extraordinary performance, practical ergonomics & high technology - Perfect balance between comfort & cutting-edge technology
- Immediate diagnosis & Real-time High Definition images
- Can be used with all X-ray systems
- iPad App

Multilayer Sensor

Protective body - Ip67
Precision scintillator
CsI
Optic Fibre Protection Layer
FOP
High definition sensor
HD CMOS
Electronic image processing

iRYS - ALL-IN-ONE SOFTWARE

Easy to use & Ideal for diagnostics, communication & management of intraoral imaging.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Sensor Size 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>External dimensions</td>
<td>38.9 x 24.9 mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>5.3 mm</td>
</tr>
<tr>
<td>Pixel matrix</td>
<td>1500 x 1000</td>
</tr>
<tr>
<td>Pixel size</td>
<td>20 μm</td>
</tr>
<tr>
<td>Maximum resolution</td>
<td>25 lp/mm</td>
</tr>
<tr>
<td>Grey levels depth</td>
<td>14-bit acquisition - 16384 maximum grey levels</td>
</tr>
<tr>
<td>Scintillator technology</td>
<td>CsI (Cesium Iodide) with micro-columnar structure</td>
</tr>
<tr>
<td>Direct exposure protection</td>
<td>FOP (Fibre Optics Plate)</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP 67 (Guaranteed against liquid or dust infiltration)</td>
</tr>
<tr>
<td>Compatibility with X-ray generators</td>
<td>Any AC or DC technology X-ray generator with kV values in the 60-70 kV range and precision control of exposure times</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Direct USB to PC</td>
</tr>
<tr>
<td>Acquisition software (for PC)</td>
<td>iCapture with TWAIN interface</td>
</tr>
<tr>
<td>Image management software (for PC)</td>
<td>iRYS (for PC) with DICOM 3.0 interface with free viewer and APP for iPad</td>
</tr>
</tbody>
</table>
Digitalize Your Clinic
with Advanced Technology
Extreme Reliability, Exceptional Value
- All in One Solution

Key Features:
+ Super CMOS image sensor
+ Clear and Consistent image quality
+ Multilayer hybrid advanced CMOS technology
+ Water resistant
+ AUTO standby mode for power saving & economical operation
+ Real Time Image Acquisition - Shortens patient wait time & increases productivity.
+ Complete Digital Solutions
+ Image Analysis Tools - For quick and confident diagnosis.
+ Patient Management System - Improves workflow processes and data security
  a- Patient appointment
  b- Invoicing modules.

<table>
<thead>
<tr>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detector Technology</td>
</tr>
<tr>
<td>Sensor Dimensions</td>
</tr>
<tr>
<td>Active Area</td>
</tr>
<tr>
<td>Pixel Resolution</td>
</tr>
<tr>
<td>Pixel Size</td>
</tr>
<tr>
<td>Sensor Resolution</td>
</tr>
<tr>
<td>Interface</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

PORT-X II
Portable Dental X-ray System

+ Portable, compact & wireless DC X-Ray
+ 60kV/2mA Toshiba Tube
+ Focal Spot 0.8 mm
+ Exposure Time (0.01-2.0 sec)
+ Graphic LCD display
+ IOPA film & Radiovisography sensor compatible
+ Round type beam limiting device
+ Total filtration 1.8 mmAl
+ 60-70 X-Ray shots on film or 90 to 100 X-Ray shots on Sensor once battery is recharged
+ Weight approx. 3 Kg
+ Electrical Voltage 220 V
+ Internally LEAD coated to prevent excessive exposure & dispersion of radiation
+ Rechargeable Lithium-Polymer battery
+ Patient & tooth selection mode
+ Very useful for multi-chair clinics
Port-X IV
Portable Dental X-ray System

All In One
Portable X-Ray

Features
+ Crystal clear images from 0.4mm Focal spot and 70kv X-Ray Tube
+ Ergonomic design for one handed operation
+ Image viewer with clear IPS LCD Screen
+ Seamless data transmission to PC & Mobile App and firmware upgrades via Wireless
+ Patient & data management capabilities without a PC

Portview
Digital Intra-Oral Sensor

ERGONOMIC, RELIABLE, HIGH RESOLUTION

Features:
+ High quality imaging
+ Water resistant
+ Smart compatibility to wide range of X-ray devices due to Automatic electronic gain control
+ Rounded Corners so provides comfort to patient
+ Easy plug sensor directly to PC

Technical Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Technology</td>
<td>CMOS</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>19 X 19 µm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>30.49 X 42.8</td>
</tr>
</tbody>
</table>
X-MIND DC
The easy and smart intraoral X-Ray system for high quality requirements

NATURALLY PROTECTIVE
CONTROLLED DOSAGE
FOR MAXIMUM PROTECTION!
The exposure time control pre-set by the microprocessor ensures a controlled dose for a better protection of you and your collaborators. Exposure times are reduced with the use of digital intraoral X-Ray systems.

USER FRIENDLY
WORK MORE EFFICIENTLY WITH THE EASY TO USE INTRAORAL X-RAY SYSTEM
Improve your workflow with clearly organized dedicated pre-programming keys. With the push of a button, you control:
✦ The parameters: 60 or 70 kV & 4 or 8 mA
✦ The types of sensors: traditional film or digital
✦ The patient morphology
✦ The exposure time according to the type of tooth
The exposure times can be customized and programmed to adapt to your clinical needs.

EASILY POSITIONABLE
The X-Mind range is extremely easy to handle, providing exceptional flexibility of use and accurate positioning. Smooth movements streamline your workflow!

THE HIGHEST STANDARD OF HYGIENE
X-Mind intraoral X-ray systems are easy to keep clean and can be disinfected in compliance with the strictest demands of asepsis in dental practice.

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Electromedical equipment, Class 1 type B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>115/230 V - 50/60Hz</td>
</tr>
<tr>
<td>Power absorption at 230 V</td>
<td>1.4 kVA</td>
</tr>
<tr>
<td>X-ray tube</td>
<td>New Toshiba DG 073B</td>
</tr>
<tr>
<td>X-ray tube voltage</td>
<td>60-70 kV</td>
</tr>
<tr>
<td>Anode current</td>
<td>4-8 mA</td>
</tr>
<tr>
<td>Focal spot</td>
<td>0.7 mm</td>
</tr>
<tr>
<td>Total filtration</td>
<td>Equivalent to 2 mm Al at 70 kV</td>
</tr>
<tr>
<td>Leakage radiation</td>
<td>&lt; 0.25 mGy/h</td>
</tr>
<tr>
<td>Technology</td>
<td>DC</td>
</tr>
<tr>
<td>Timer</td>
<td>from 0.02 to 3.2 seconds</td>
</tr>
<tr>
<td>Weight of the head</td>
<td>5.5 kg</td>
</tr>
<tr>
<td>Total weight</td>
<td>25 kg</td>
</tr>
</tbody>
</table>
AC X-RAY MACHINE

- Option to choose between Floor & Wall Mount (AC model)
- Soft Scissor arm
- 70 kVp/7mA X-Ray tube
- Focal Spot 0.8 mm
- Focal Length 20 cm
- Inherent Filtration ≥0.5 mm AL
- Exposure Time 0.06 to 2.0 second
- Tube Head & cone are internally LEAD coated
- Remote control for exposure
- Microprocessor controlled

DC X-RAY MACHINE

- Constant potential high frequency (DC) generator
- Very small focal spot (0.4 mm) capable of providing sharp, detailed images
- Soft Scissor arm
- Tube Head - Toshiba
- 65 kVp/7mA X-Ray tube
- Focal Length 20 cm
- Total Filtration ≥2.0 mm AL
- Exposure Time 0.01 to 2.0 second
- Tube Head & cone are internally LEAD coated
- Microprocessor controlled
- Separate exposure switch
The Vista Scan Mini image plate scanner makes image plate diagnostics even faster for dentists. The compact device is particularly simple to use & requires a minimum of space - so it can be placed in the treatment room.

**Advantage:**
X-Ray & scanning directly at the chair side with full flexibility of recording formats. The reusable Vista scan imaging plates are read in first-class quality in seconds.

Digital X-Ray with Dürr Dental offers dentists images with high resolution to meet all diagnostic demands.

The compact device is particularly easy to use and requires a minimum of space – so that it can be installed in the treatment room. The advantage: X-Ray and scanning directly at the chair side. The reusable VistaScan image plates are read out in top quality within seconds. There has never been a better time to change over to image plates.

**Common sizes:**
Image plates size 0 & size 2 can be used with VistaScan Mini Easy. In addition, 100% active surface area is available. Simple handling – as with an analogue film.

**Features**
- Rapid image availability
- Faster and more reliable diagnostics
- Compact design
- Ideal chair side appliance
- Sophisticated operating concept
- Easy handling
- Easy integration (PC interface via USB & LAN)
- High image quality
- Common intraoral sizes (0 & 2)
- Penta Prism technology for scanning

**Data & Facts**

<table>
<thead>
<tr>
<th></th>
<th><strong>VistaScan Mini Easy</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plate sizes</strong></td>
<td>0 (2 x 3 cm) + 2 (3 x 4 cm)</td>
</tr>
<tr>
<td><strong>Effective resolution</strong></td>
<td>22 (1100 dpi) (lp/mm)</td>
</tr>
<tr>
<td><strong>Theoretical resolution</strong></td>
<td>40, 2000 (lp/mm, dpi)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>6.5 kg</td>
</tr>
<tr>
<td><strong>Dimensions [H x W x D]</strong></td>
<td>226 x 234 x 243 mm</td>
</tr>
<tr>
<td><strong>Standby function</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Interfaces</strong></td>
<td>USB / LAN</td>
</tr>
</tbody>
</table>

High resolution images with low noise support a secure diagnose.

The grey scale graduation of the image plate with VistaScan offers a representation every bit as good as that of film.

**Image Plates better than Sensor**

The grey scale graduation of the image plate with VistaScan offers a representation every bit as good as that of film.

<table>
<thead>
<tr>
<th>Analog film</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competitors (14 bit)</td>
</tr>
<tr>
<td>VistaScan (16 bit)</td>
</tr>
</tbody>
</table>


**Behind The Best Indian Dentists**

Sales: 011-45551200, 9650056363  |  Service: 011-45551250, 9958007430  |  marketing@unicorndenmart.com  |  www.unicorndenmart.com