

RADIOLOGY & IMAGING

 GENORAY



XPECT Vision

Ray



Carestream
DENTAL

Runyes
FOCUS ON DENTAL



PAN INDIA PRESENCE

1.5 Lakh+

Satisfied
Customers

150+

Skilled Service
Engineers

100+

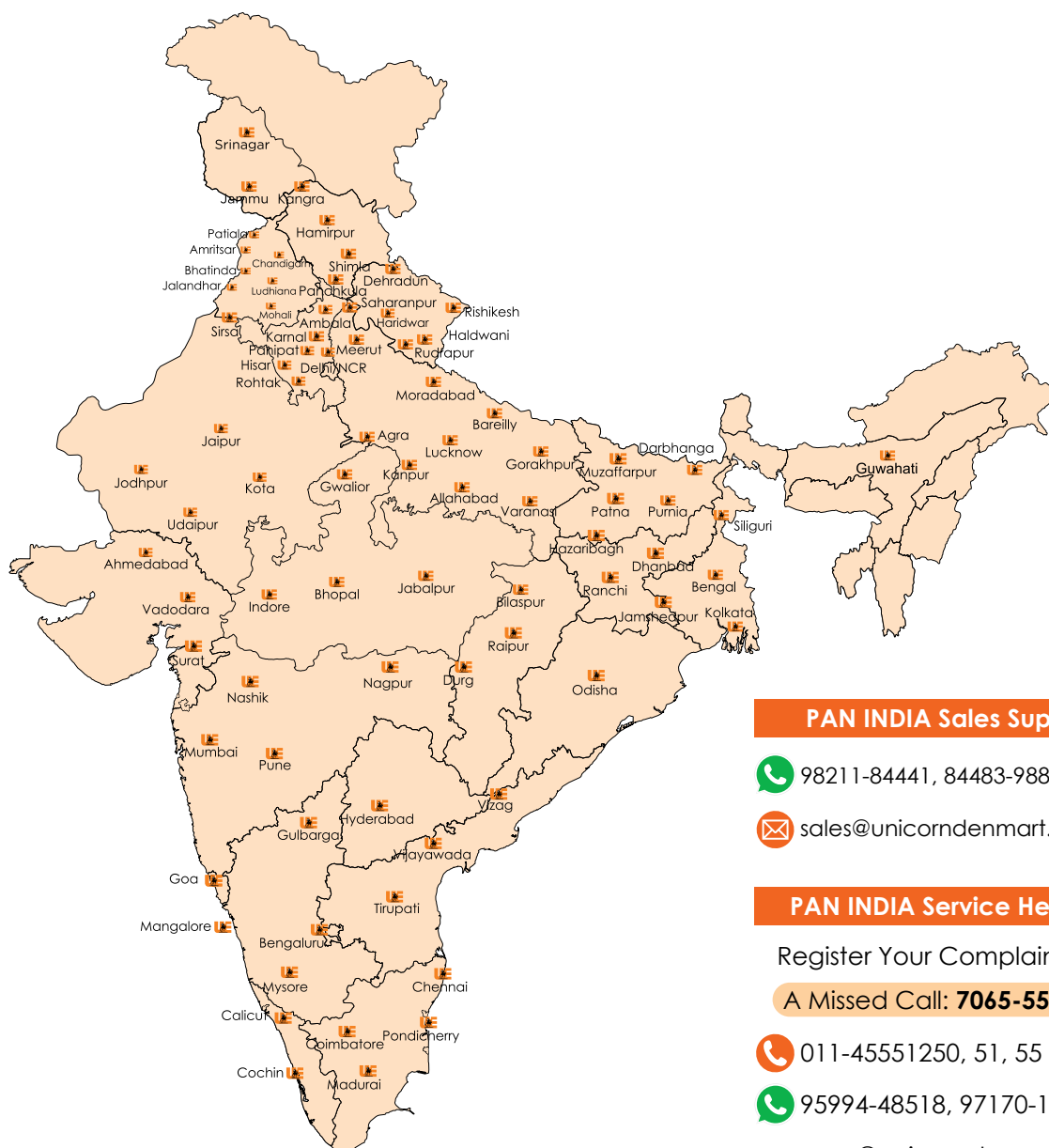
PAN India
Location

500+

Products Under
Service Care

32

Year
Legacy



PAN INDIA Sales Support

 98211-84441, 84483-98852

 sales@unicorndenmart.com

PAN INDIA Service Helpline

Register Your Complaint with

A Missed Call: **7065-558-558**

 011-45551250, 51, 55

 95994-48518, 97170-12081

 care@unicorndenmart.com;
care1@unicorndenmart.com

FOR WESTERN REGION: (Maharashtra & Gujarat)

 022-40108770, 71

*The locations shown above are a combination of the offices of Unicorn DenMart and its distributors.

Cust

PAPAYA Slim

The World's First & Only 2-in-1 OPG Unit
Panoramic | Semi-Tomography Imaging



In House Manufacturing

Genoray is a Medical & Dental equipment manufacturer that offers in-house manufacturing of its products. This means that the company has complete control over the production process, from design to assembly, allowing for strict quality control. Genoray's in-house manufacturing capabilities include injection molding, PCB assembly, cable assembly, and final product assembly. By keeping manufacturing in-house, Genoray ensures that its products meet high standards of quality and reliability while also allowing for faster turnaround times and the ability to make modifications quickly. This approach enables Genoray to maintain a competitive edge in the market and provide its customers with top-quality medical & dental equipment.



Continuous R&D Investment

- ✦ 8-10% Investment in Annual Sales
- ✦ 30% of all Researchers have Masters & Doctorates
- ✦ R&D Performance - 72 Cases (Government, External & Self)
- ✦ Intellectual Property - 47 Patents, 27 Trademarks
- ✦ Certification Status - 85 Cases (Domestic & International)

R&D through cross-over by Different Sectors

- ✦ Integrated Management of Medical & Dental Research
- ✦ Specialized Technology by Sector - R&D



Internalization of Core Technology

- ✦ Manufacturing Technology of X-Ray Generators
- ✦ Inhouse development of Flat Panel Detectors
- ✦ 3D Image Processing with Correction Algorithm
- ✦ Dedicated Software Development - THEIA, TRIANNA

Ultimate Panoramic Imaging

High Resolution X-Ray Imaging System

PAPAYA uses the advanced CMOS sensor, which improves image quality while keeping radiation exposure to a minimum, Genoray has shown that it puts patient's safety first.

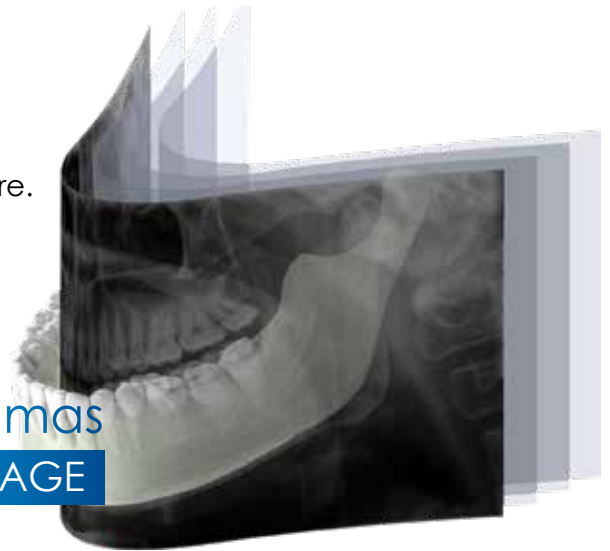


Multi-Focus Function

Improves Image Analysis & avoids the need of re-exposure.

The Multi-focus function overcomes patient mis-positioning. The user is therefore able to find the most optimally-focused choice from a selection of images.

5 panoramas
OPTIMAL IMAGE



Protection From Unwanted Radiation

Segmental selection 2D scan saves from unwanted radiation.



User Friendly

PAPAYA increases user friendliness while maximizing efficiency



Face-to-face positioning



Multi-role remote with emergency stop switch

Machine's and hand switch's LED display shows the current status of machine



9 different jaw shapes
Fit each individual's jaw shape



Voice support system

Machine's operation status is guided by voice support system



Wheelchair accessible



Dental Crop

Provides full mouth IOPA images

According to exposure mode,
LED color changes.



21 Different Exposure Modes

Different 2D images for various diagnosis purpose

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, sinus PA and CUST are supported.

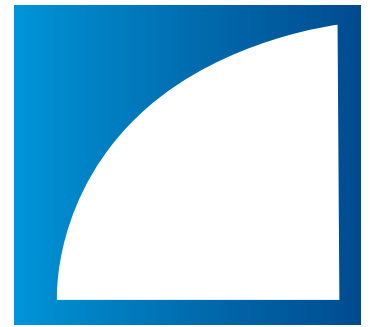


CUST						
	Cross Section					
Panoramic						
	Standard	Orthogonal	Bitewing	Segmental	Child	
Sinus						
	Right Lateral	Left Lateral	Right Lateral Mid	Left Lateral Mid	PA	
TMJ						
	Right Lateral Open Mouth	Left Lateral Open Mouth	Right Lateral Close Mouth	Left Lateral Close Mouth	PA Open Mouth	PA Close Mouth
						
	Right Double Lat-PA Open Mouth	Left Double Lat-PA Open Mouth	Right Double Lat-PA Close Mouth	Left Double Lat-PA Close Mouth		

Smart & compact design!

Papaya: This smart design will allow for easy and fast setting installation. Not only that, its compact design requires minimum space & is easily accessible for your patients.

Fast, HD & Normal
Scan Mode



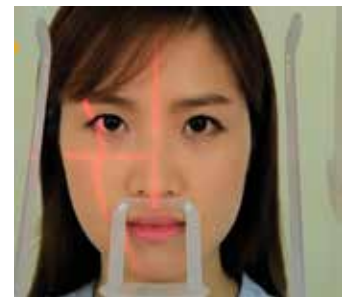
User friendly
LED indication



4 different patient
selection



Cubical Semi
Tomography

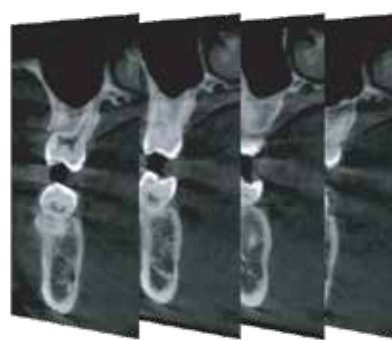
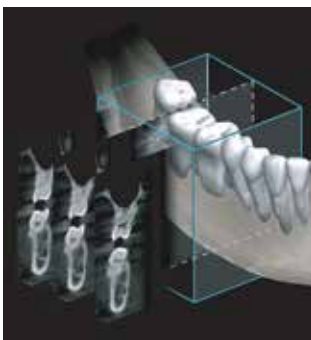


Guiding Lasers for
Better Patient Positioning

Tomography Imaging

Cubical Semi-Tomography Technology (CUST)

PAPAYA CUST is a 3D imaging function that provides cross-sectional information for implant planning.



Dental Cross Sectional View

- ✦ Complements the panoramic image and provides a tomographic image required for implant planning
- ✦ When planning the implant, CUST images help the patient understand the procedure
- ✦ PAPAYA with CUST function is economical compared to CBCT



Exposure Programs



Technical Specification - PAPAYA	
Exposure Time	4-17 sec
Focal Spot	0.5mm
Target Angle	5°
Sensor Tehnology	CMOS
Maximum Tube Voltage	90kV
Minimum Tube Voltage	60kV
X-Ray Tube	Canon
Sensor	
	PAPAYA Slim
Pixel Pitch	75x75 µm
Active Area	152x6.5 mm
CUST Specification	
X-Ray Beam	Fan Beam
Volumetric Image Size	50X50X103 mm
Number Of Slices	256
Slice Thickness	0.195 mm
Measurement Error	<1 mm

PAPAYA Operational Software

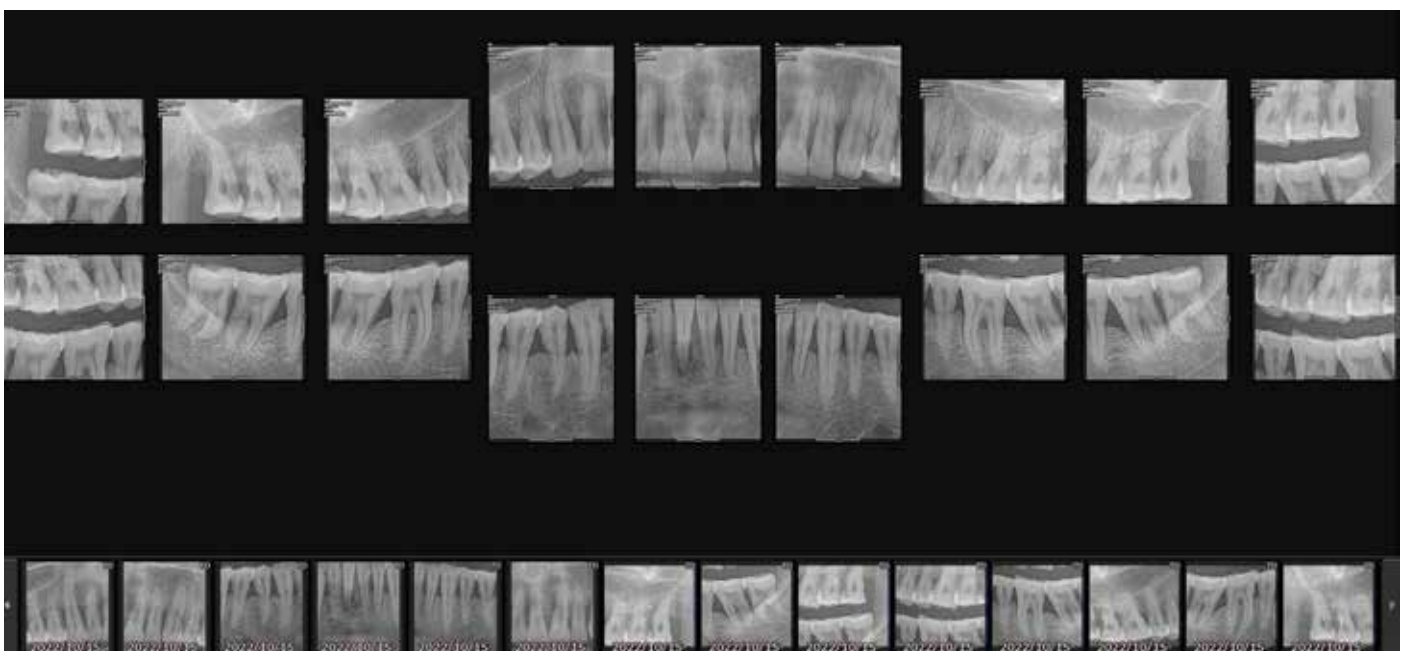
PAPAYA exposure modes are prepared and initiated using clear step by step pictorial software.



TRIANA

TRIANA is able to manage all images from all devices. (panoramic, cephalometric, intraoral sensor, CBCT, Intraoral camera and digital camera)

Image viewing	Zoom, Panning, Comparing, Window leveling
Measurement	Distance, Angle
Annotations	Line, Arrow, Text, Stamp
Implant simulation, DICOM 3.0 compatibility	Storage (DICOM send), film printer, worklist etc
Image enhancement, Printing	Paper, Film printer, WYSWYG
Image import/export	bmp, jpg, gif, png, dcm etc



PAPAYA Plus

3-IN-1 OPG UNIT

Panoramic | Cephalometric |
Semi-Tomography Imaging

One Innovation
Complete **Confidence**

-  Advanced Imaging
-  Precision Redefined
-  Safe, Smart, Superior
-  Faster Workflow Better Outcomes



Ultimate Panoramic Imaging

High Resolution X-Ray Imaging System

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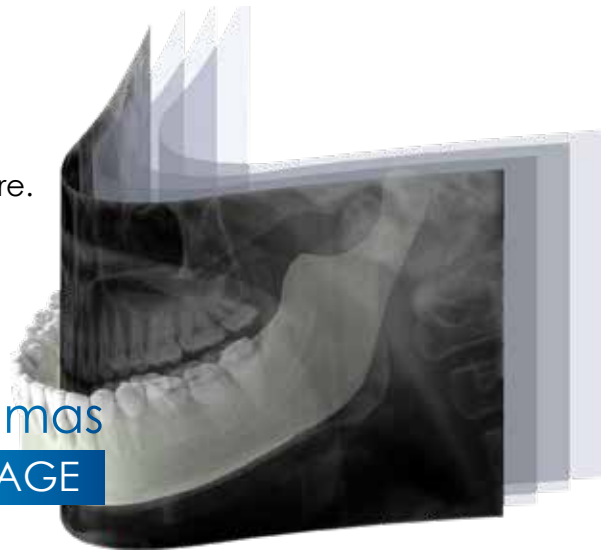


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5 panoramas
OPTIMAL IMAGE



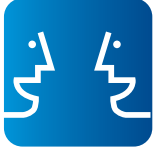
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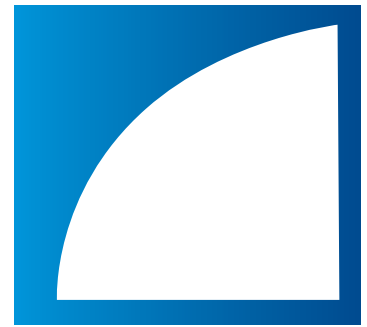


CUST	 Cross Section					
Panoramic	 Standard	 Orthogonal	 Bitewing	 Segmental	 Child	
Sinus	 Right Lateral	 Left Lateral	 Right Lateral Mid	 Left Lateral Mid	 PA	
TMJ	 Right Lateral Open Mouth	 Left Lateral Open Mouth	 Right Lateral Close Mouth	 Left Lateral Close Mouth	 PA Open Mouth	 PA Close Mouth
	 Right Double Lat-PA Open Mouth	 Left Double Lat-PA Open Mouth	 Right Double Lat-PA Close Mouth	 Left Double Lat-PA Close Mouth		
Cephalometric	 Lateral	 AP	 PA	 Water's View	 SMV	 Carpus

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Scan Mode



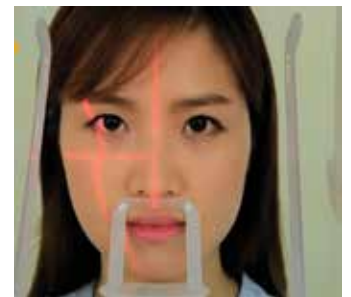
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Cubical Semi
Tomography

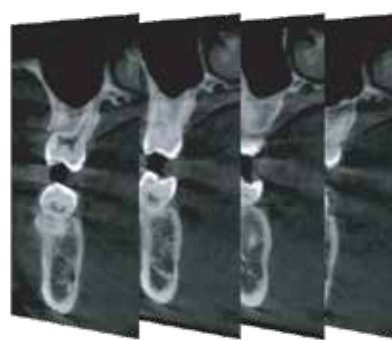
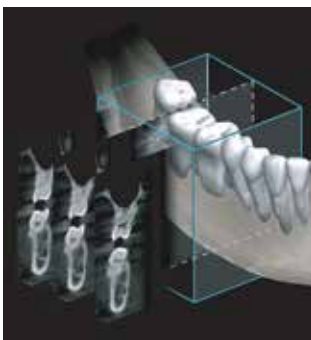


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Exposure Programs



Cephalometric

Advanced Solution For Orthodontic Diagnosis



AP



WATER VIEW



SMV



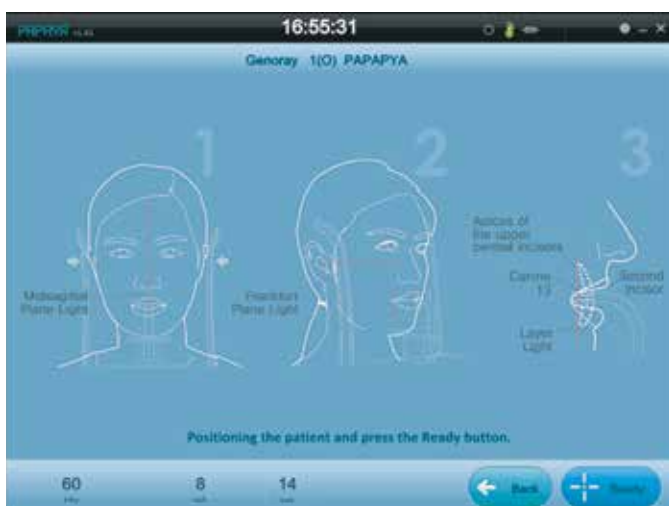
CARPUS



- ✦ 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 reduces motion artifacts

PAPAYA Operational Software

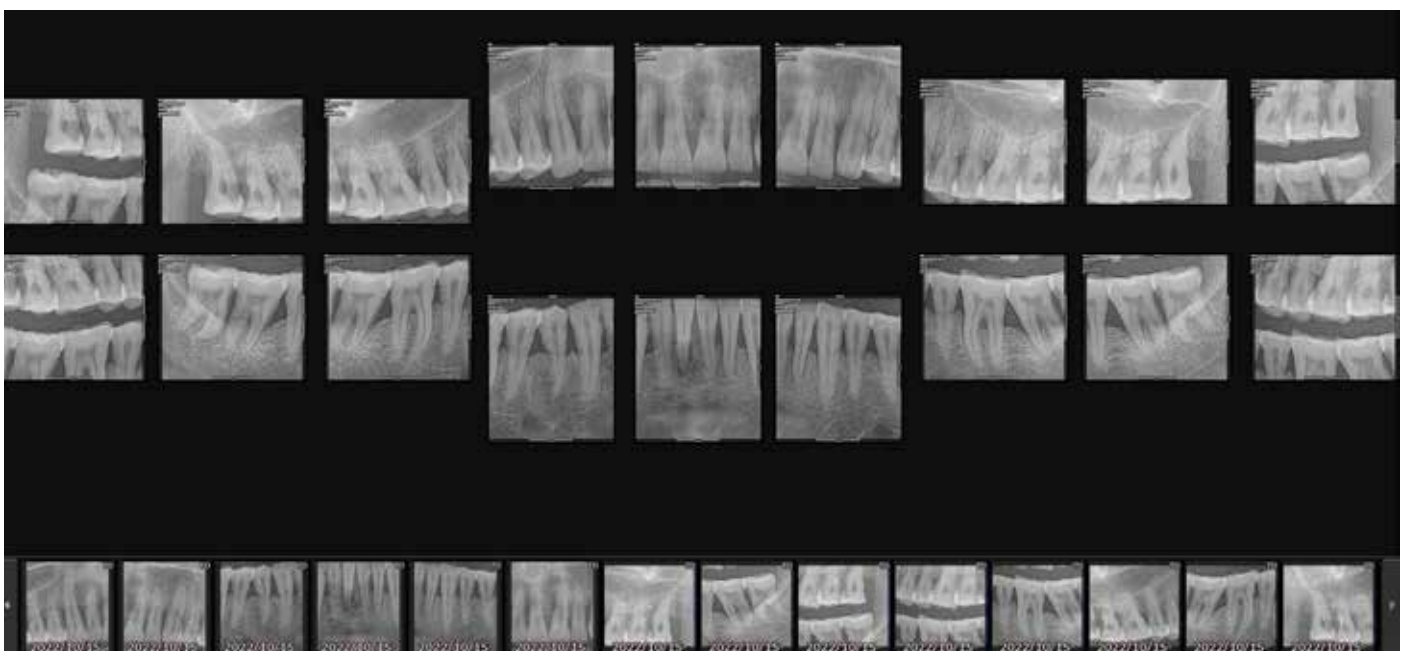
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Implant simulation, DICOM 3.0 compatibility	Storage (DICOM send), film printer, worklist etc
Image enhancement, Printing	Paper, Film printer, WYSWYG
Image import/export	bmp, jpg, gif, png, dcm etc



Technical Specification - PAPAYA

Exposure Time	4-17 sec
Focal Spot	0.5mm
Target Angle	5°
Sensor Tehnology	CMOS
Maximum Tube Voltage	90kV
Minimum Tube Voltage	60kV
X-Ray Tube	Canon

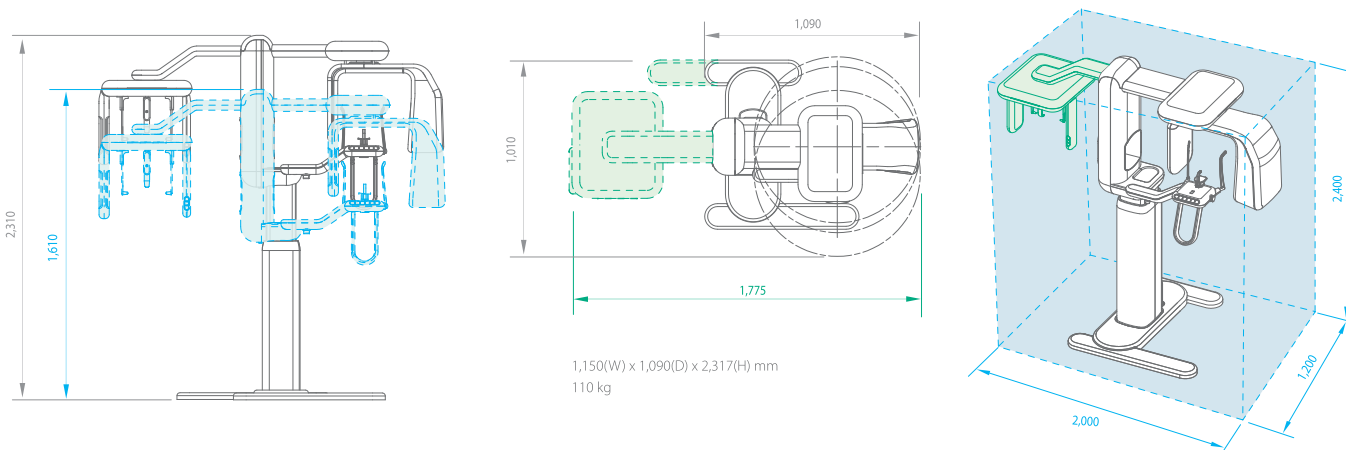
Sensor

	PAPAYA Slim	PAPAYA Plus
Pixel Pitch	75x75 µm	75x75 µm
Active Area	152x6.5 mm	228x6.5 mm

CUST Specification

X-ray beam	Fan Beam
Volumetric image size	50X50X103 mm
Number of slices	256
Slice thickness	0.195 mm
Measurement error	<1 mm

Dimensions



• GENORAY

PAPAYA 3D

Combination Imaging System



1 Scan 3 Images
2 Dedicated Detectors
CBCT
Panoramic



UNICORN DenMart  [®]
Behind The Best Indian Dentists

2 Dedicated Detectors

The Genoray Papaya 3D is equipped with three dedicated detectors that enhance its imaging capabilities. These dedicated detectors of the Genoray Papaya 3D work in synergy, enabling clinicians to obtain high-quality, detailed images for accurate diagnoses and effective treatment interventions.



1 Scan 3 Images

The Genoray Papaya 3D imaging system revolutionizes dental diagnostics with its advanced capabilities. One scan with this cutting-edge device captures three highly detailed images (2D, 3D & Constructed Ceph), providing clinicians with a comprehensive view of the patient's condition.



CBCT (3D)



Panoramic (2D)



Constructed Ceph

All Axis Motorized Movement

(Up/Down/Left/Right)



Multi-FOV Selection

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

φ 4X5



Endo

Endodontic

75 μm

Endo mode shows high definition images

φ 7X7



Teeth

High Resolution | High Definition

100 μm | 150 μm

High contrast images of upper / lower jaw enable accurate diagnosis

φ 8X8



φ 16X8



Jaw

Normal Resolution

200 μm

Provides an image of the full arch

φ 16X14



Face

Normal Resolution

200 μm

Full arch including relevant bone areas

High Resolution Computed Tomography Technology

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

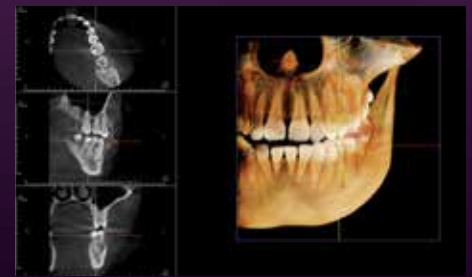
3 in 1 CBCT



CBCT



PANORAMIC



MULTI-PLANE VIEW

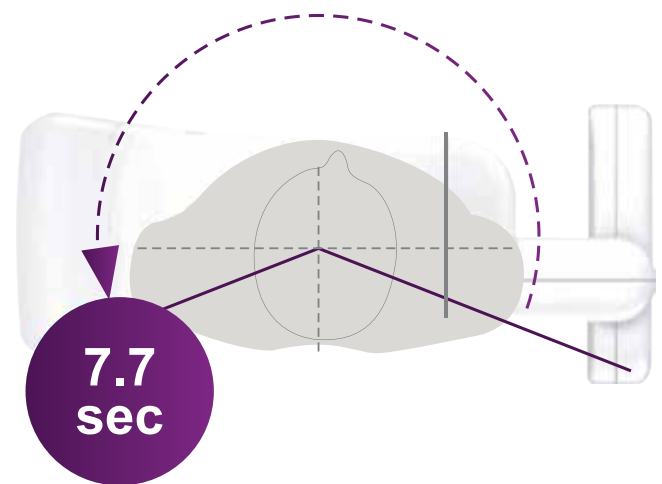
Automated Sensor Switching

Auto -Swing



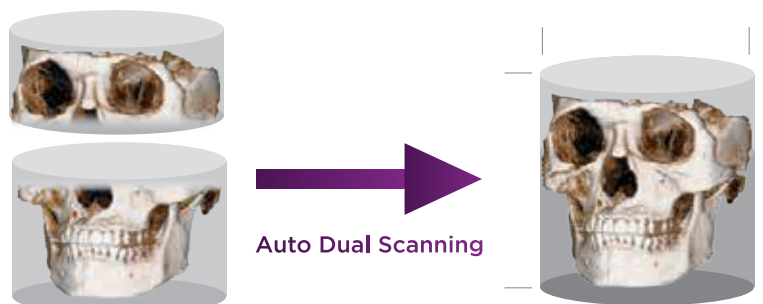
Fast Scanning Mode

Scanning times as low as 7.7 seconds reduces dose, motion artifacts and image distortion.



Auto Dual Scanning CT Technology

The wide high definition images can be enhanced by auto dual scanning technology.



Improved Image Processing

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



Without SMARF



With SMARF

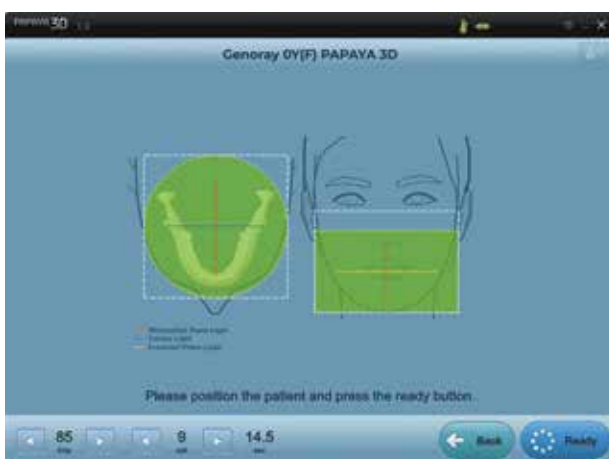
PAPAYA 3D Operation Software



Panoramic Patient Positioning Guide



CBCT Mode



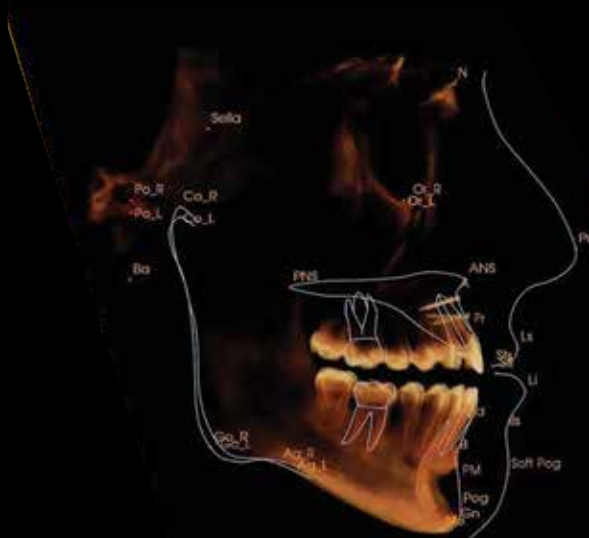
CBCT Patient Positioning Guide



Auto-Positioning Function

Invivo7

Advanced 3D Imaging Software



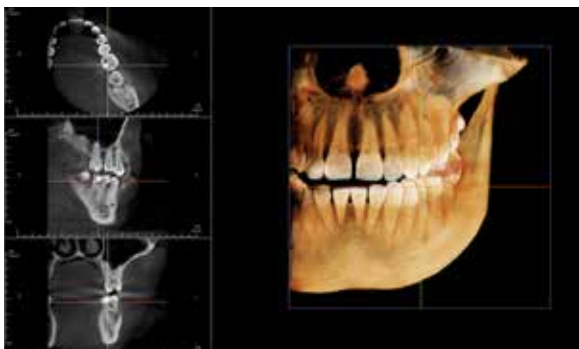
The Invivo dental software is backend by Anatomage, Inc. Which is a medial imaging company composed of a cross-functional team consisting of the most elite researchers, mathematicians, engineers, software developers, business analyst, industry leaders, academic faculty and dental specialists.

POWERFUL

MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

RELIABLE



Layout



MPR



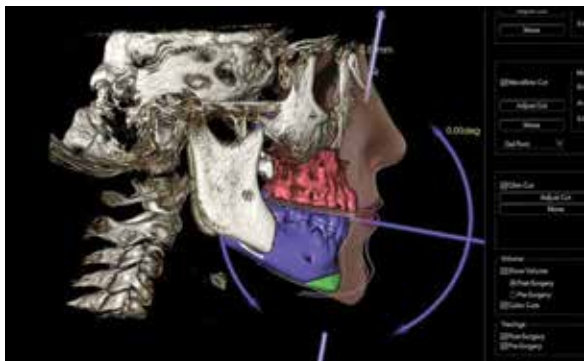
Section View



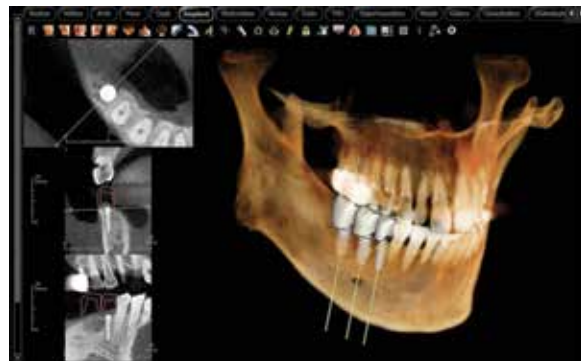
Pano View

in vivo7

Advanced 3D Imaging Software



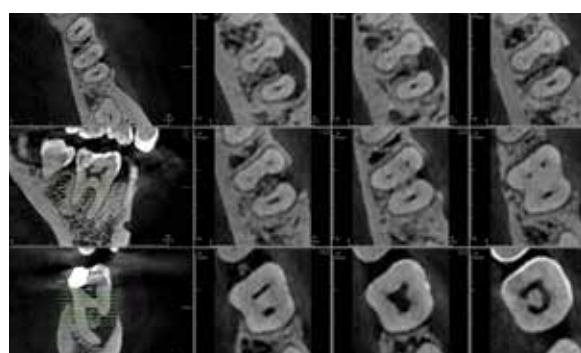
Surgery View



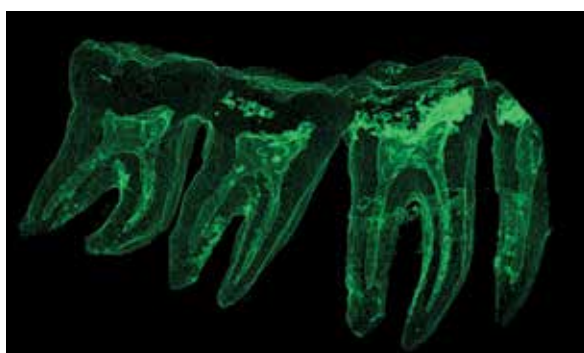
Implant View



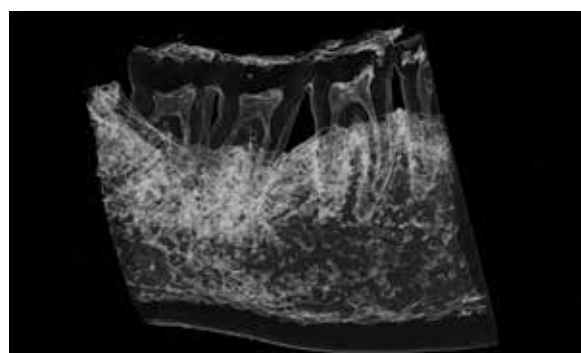
Endo View



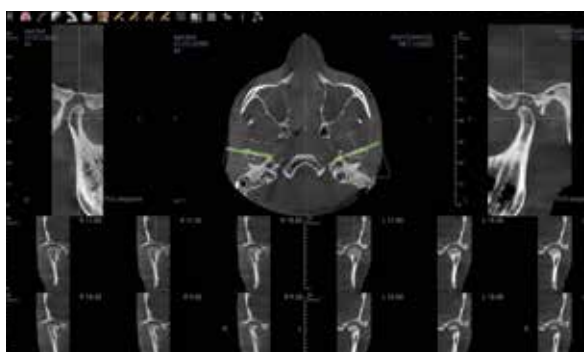
Endo View



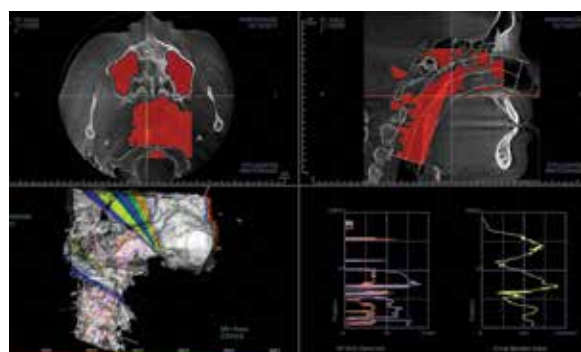
Endo View



Endo View



TMJ View



Airway Analysis View

3D CT

PAPAYA 3D Technical Specification

Exposure Time	Panoramic	9 ~ 17 sec
	CT	7.7/14.5 sec
Voxel Size	75~400 μ m	
Focal Spot	0.5mm	
Target Angle	5°	
Tube Voltage	60 ~ 90kV	
Tube Current	4~12 mA	
Gray Scale	14 bit	

Sensor

Exposure Time	CT	Panoramic
Pixel Pitch	100 x 100 μ m	75 x 75 μ m
Active Area	130.2 x 128 mm	152 x 6.5 mm

• GENORAY

PAPAYA 3D^{Plus}

Combination Imaging System

1 Scan 3 Images

3 Dedicated Detectors

CBCT

Panoramic

Cephalometric



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FUTURE OF IMAGING

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PANORAMIC SENSOR
CT SENSOR

CEPHALOMETRIC

1 Scan 3 Images

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All Axis Motorized Movement

(Up/Down/Left/Right)



CBCT



Panoramic

Ceph



Multi-FOV Selection

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

φ 4X5



Endo

Endodontic

75 μm

Endo mode shows
high definition images

φ 7X7



Teeth

High Resolution | High Definition

100 μm | 150 μm

High contrast images of
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φ 8X8



Jaw

Normal Resolution

200 μm

Provides an image of
the full arch

φ 16X8



Face

Normal Resolution

200 μm

Full arch including
relevant bone areas

φ 16X14



High Resolution Computed Tomography Technology

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

3 in 1 CBCT



CBCT



PANORAMIC



CEPHALOMETRIC

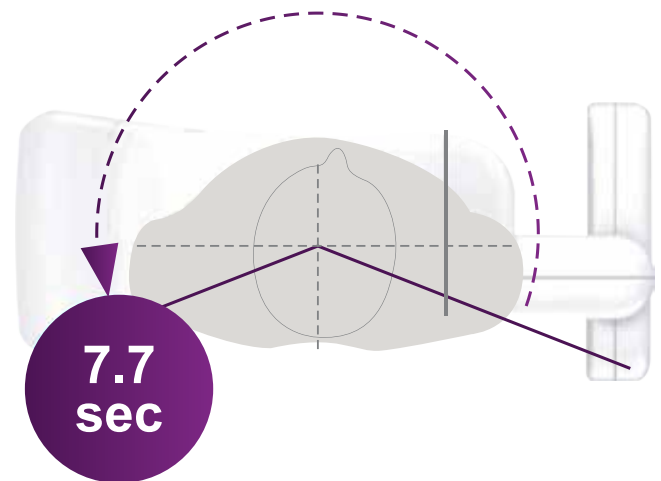
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Auto -Swing



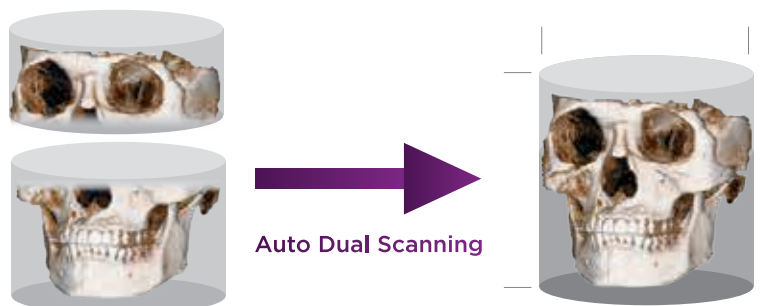
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Without SMARF



With SMARF

Cephalometric

Advanced Solution For Orthodontic Diagnosis



AP



Water View



SMV



Carpus



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PAPAYA 3D Operation Software



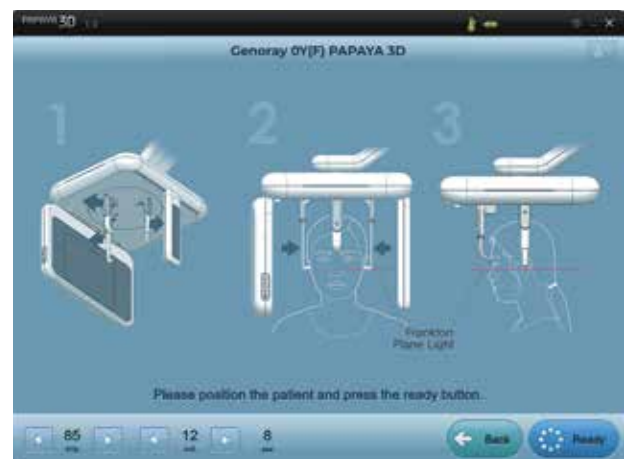
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



Cephalometric Mode



Auto-Positioning Function

In vivo 7

Advanced 3D Imaging Software

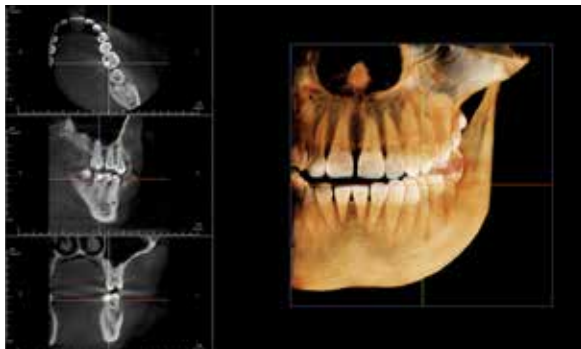
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Section View

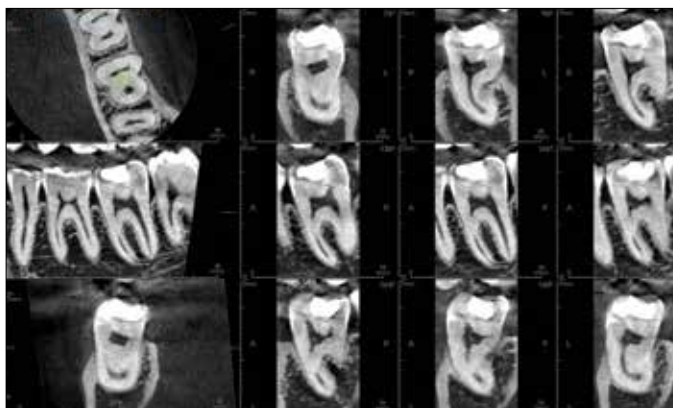


Pano View

InVivo7



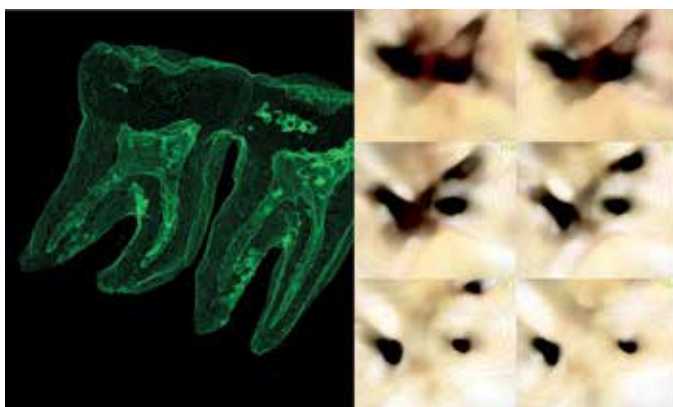
Arch View



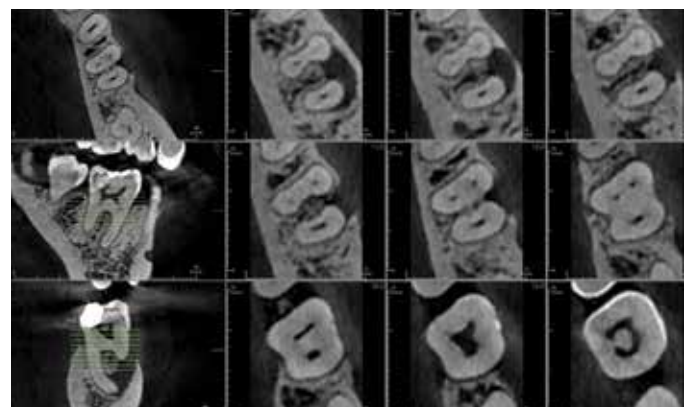
Endo View



Arch View

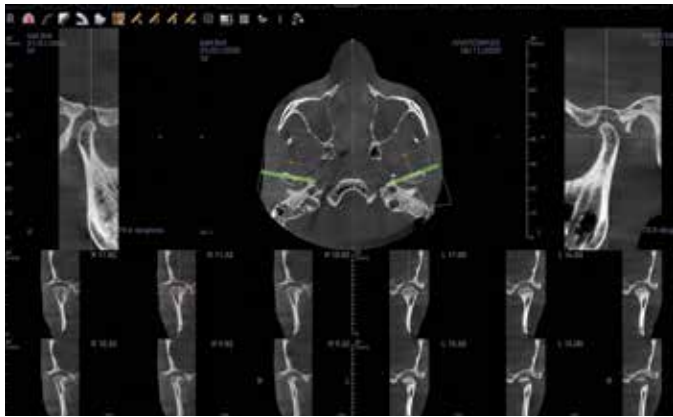


Pulp & Endoscopy View



Endo View

Invivo7



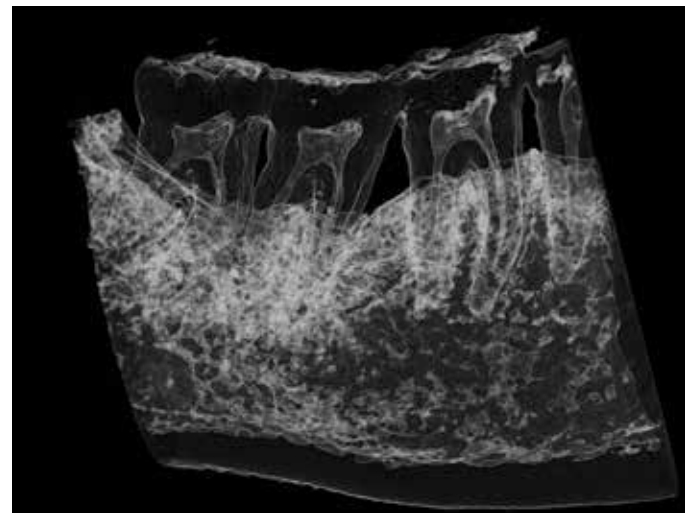
TMJ View



Airway Analysis View



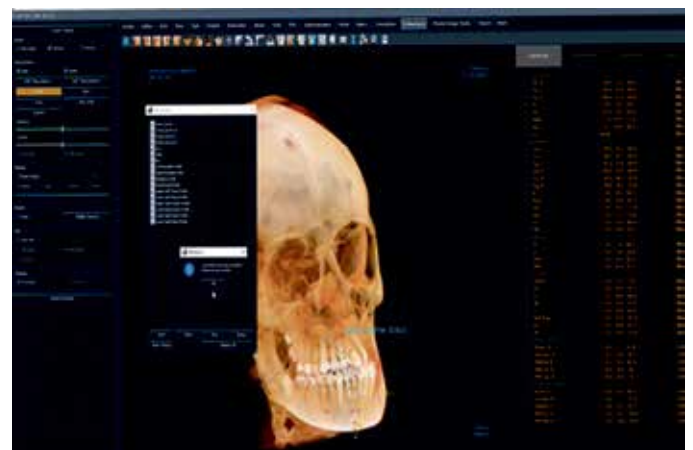
Automated Surgical cuts



Endo View



AI-Driven Cephalometric Tracing



Compatible With 2D Analysis

3D CT

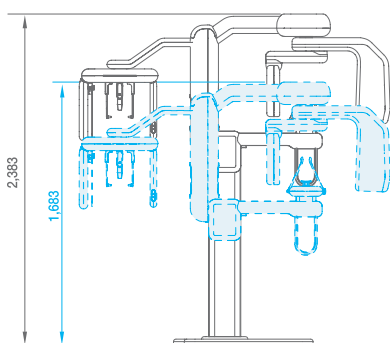
PAPAYA 3D Technical Specification

Exposure Time	Panoramic	9 ~ 17 sec
	Cephalometric	-
	CT	7.7/14.5 sec
Voxel Size	75~400 μ m	
Focal Spot	0.5mm	
Target Angle	5°	
Tube Voltage	60 ~ 90kV	
Tube Current	4~12 mA	
Gray Scale	14 bit	

Sensor

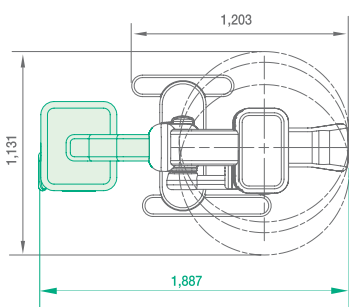
Exposure Time	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 μ m	75 x 75 μ m	75 x 75 μ m
Active Area	130.2 x 128 mm	152 x 6.5 mm	228 x 6.5 mm

Dimensions



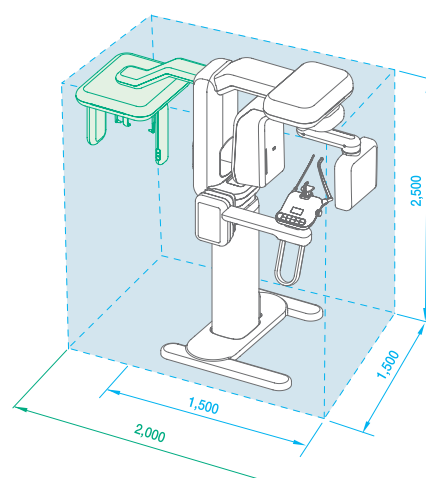
PAPAYA 3D

1,203(W) x 1,131(D) x 2,383(H) mm
145 kg



PAPAYA 3D Plus

1,887(W) x 1,131(D) x 2,383(H) mm
160 kg



RADIOGRAPHIC EXCELLENCE



• **GENORAY**

CBCT, Panoramic, Cephalometric, Model Scanning

PAPAYA 3D Premium Plus

4-in-1 CBCT Machine



UNICORN DenMart  [®]
Behind The Best Indian Dentists

CBCT

Free F.O.V & Dose Reduction:

Provides various F.O.V sizes and resolutions for all diagnostic needs.

Produces optimized images with minimal radiation exposure.



Φ 4x5 (75 μm)



Φ 7x7 (100 μm) | Φ 8x8 150 μm)



Φ 16x8 (200 μm)



Φ 16x14 (200 μm)



Φ 23x14 (400 μm)



Φ 23x24* Optional (400 μm)

Panoramic

Multi Focus

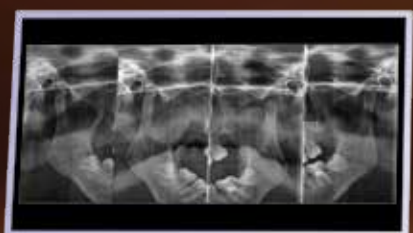
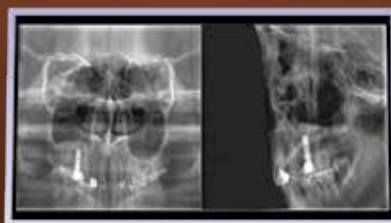
Helps acquire the best optimized image from the multiple panoramic images acquired.

The multi-focus function overcomes patient mis-positioning. The user is therefore able to find the most optimally-focused choice from a selection of images.



Standard Panoramic
Orthogonal Panoramic
Bitewing Panoramic
TMJ PA Double
TMJ LAT-PA Double

TMJ Lateral Double
TMJ LAT-PA
Sinus Lateral & Sinus PA
Child Panoramic
Segmented View



Ceph

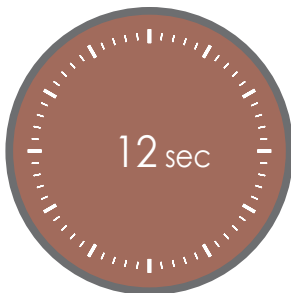


Ultra fast mode (2 sec)

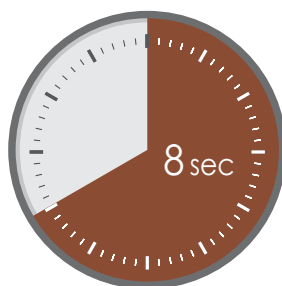


Normal mode (8 sec)

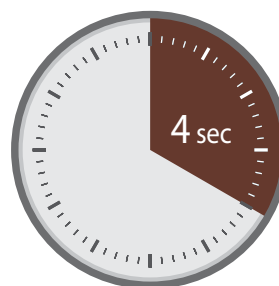
Various Radiation Exposures



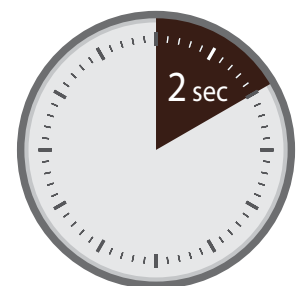
HD



Normal



Fast



Ultra fast

Multiple Exposure Modes For Cephalometric

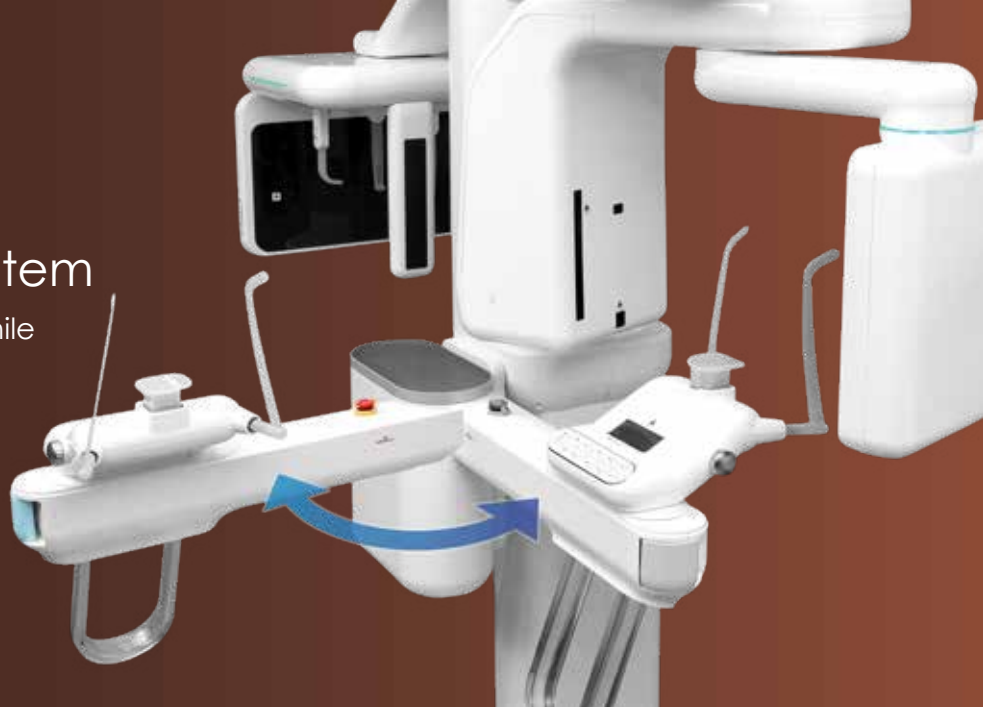
Lateral, AP, PA, Water's view, Submento vertex and Carpus





Foldable Chinrest System

Convenient patient positioning while saving room space



Easy access for disabled patients

Chair *Optional

Minimizes the patient's movements to help reduce patient's motion artifacts



One-Shot Cephalometric system provides distortion-free images with minimal motion artifacts



One-Shot Type *Optional
0.5 sec Fast Scanning



3D Volume Rendering

Various volume rendering options such as, 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

Improved image processing

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



STL Export

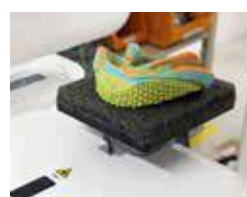
Enables 3D printer and CAD/CAM to be used by converting 3D images to STL data.



Patient Scan



Stone Model Scan



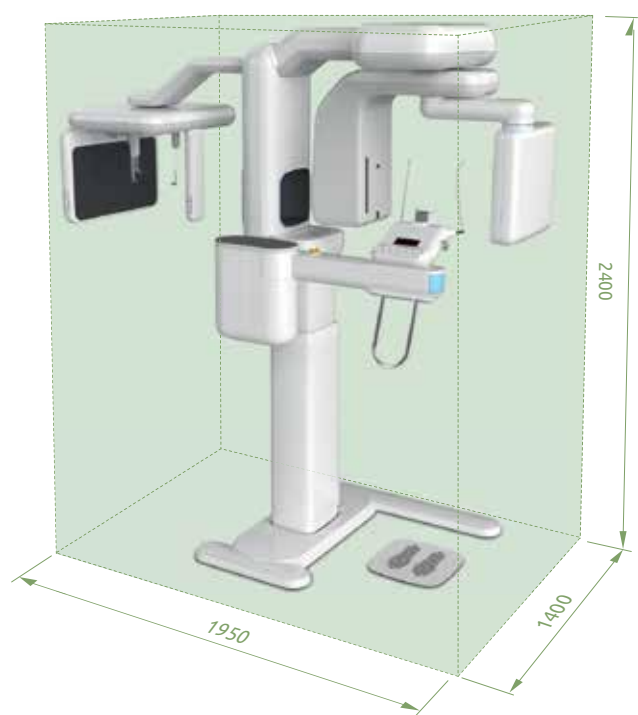
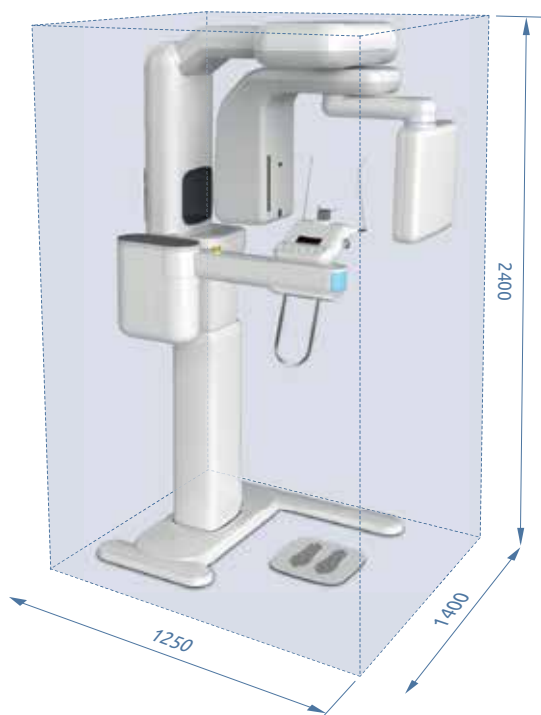
Impression Model Scan



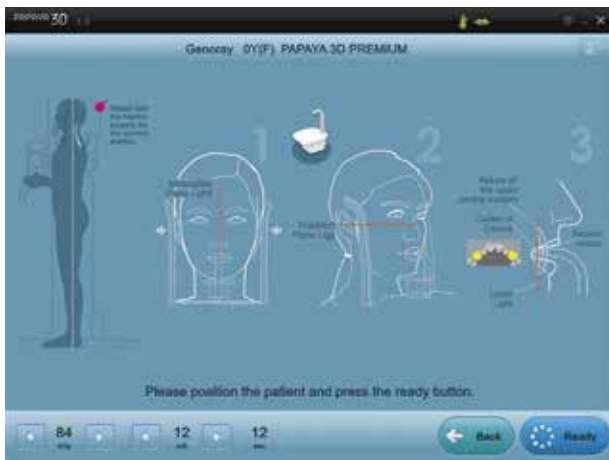
General Specifications

Items	Option	FOV/ROI max, mm)	Voxel (μ m)	Pitch (μ m)	Detector Size (mm)	Exp. Time sec
CT	NV	40X50~ 160 X 140	75~400	100 X 100	130 X 130	7.7/14.5
	LV	40X50~ 230 X 245	75~400	179 X 179	229X229	7.7/14.5
Cephalometric	SC	300X225	-	75X75	228X6.5	2~12
	OS	317X254	-	124X124	310X250	0.5~3.0
Panoramic	PX	--	-	75x75	152x6.5	9~17
NV (Normal Volume), LV (Large Volume), SC (Scan Ceph), OS (One-Shot Ceph)						
Focal Spot	0.5 mm					
Target Angle	5°					
Tube Voltage	60~90kV					
Tube Current	4~12 mA					

Dimensions



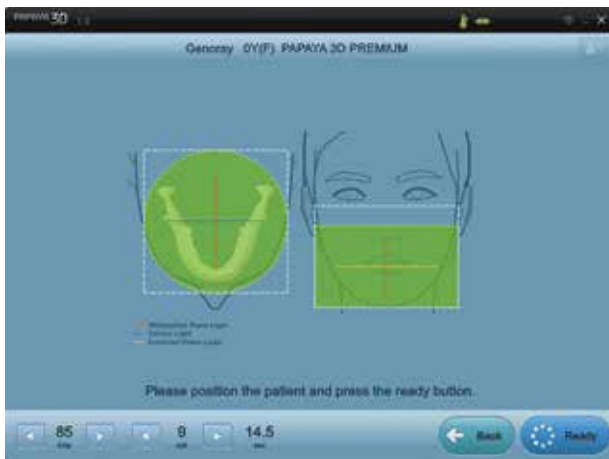
PAPAYA 3D Premium Operation Software



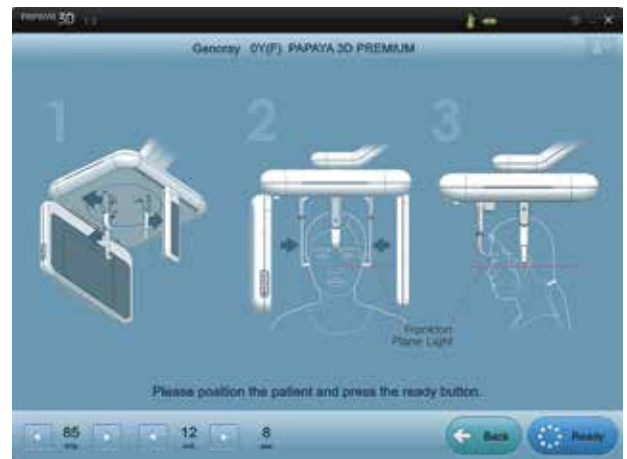
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



Cephalometric Mode



Auto-Positioning Function

In vivo7

Advanced 3D Imaging Software

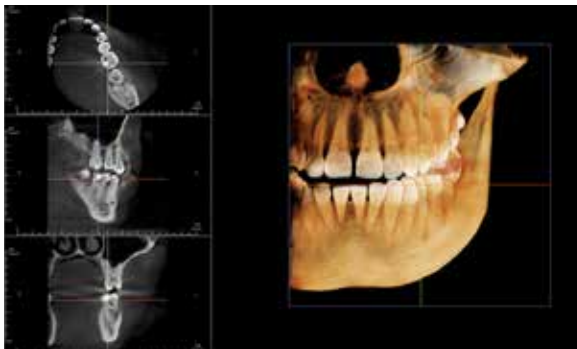
The Invivo dental software is backend by Anatomage, Inc. Which is a medial imaging company composed of a cross-functional team consisting of the most elite researchers, mathematicians, engineers, software developers, business analyst, industry leaders, academic faculty and dental specialists.

POWERFUL

MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

RELIABLE



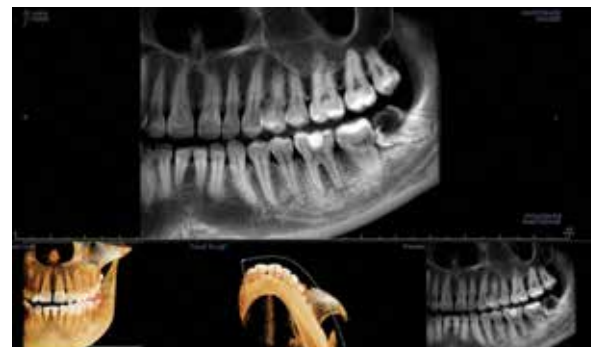
Layout



MPR



Section View

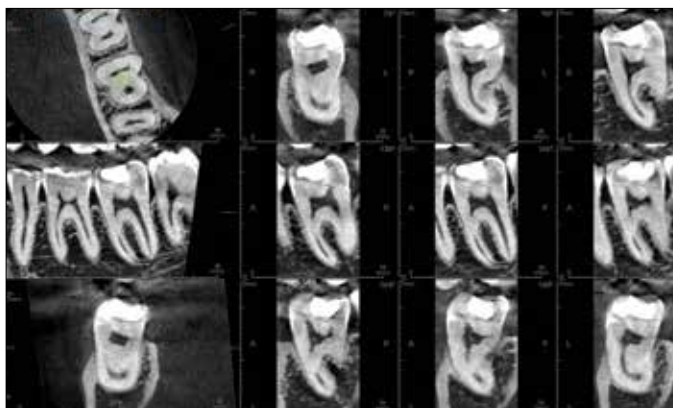


Pano View

InVivo7



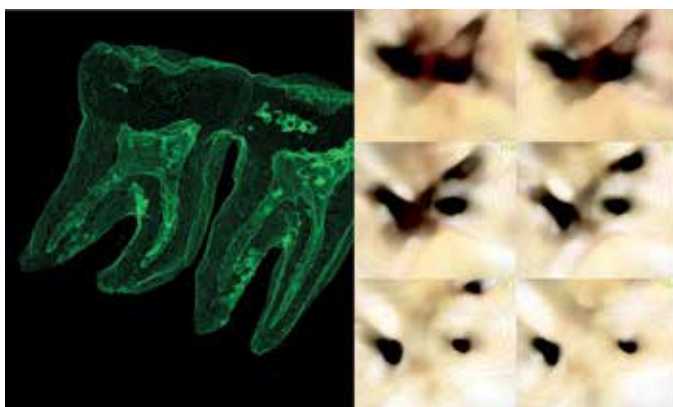
Arch View



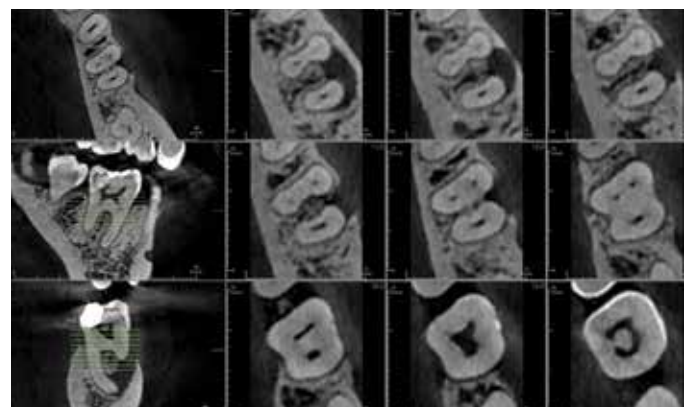
Endo View



Arch View

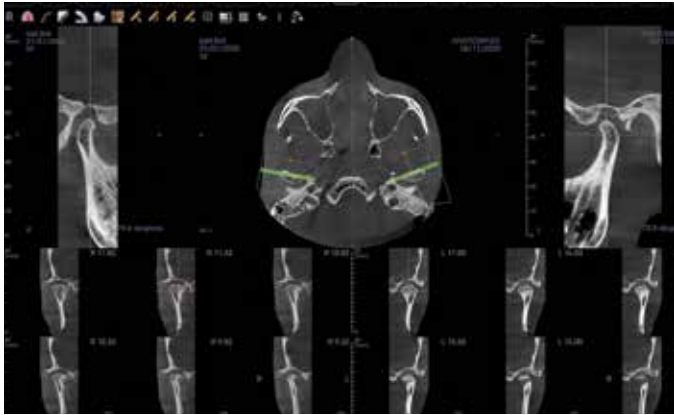


Pulp & Endoscopy View



Endo View

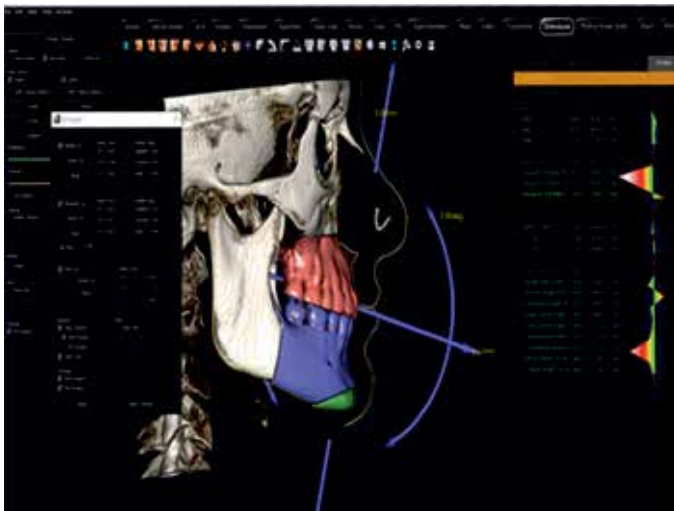
in vivo 7



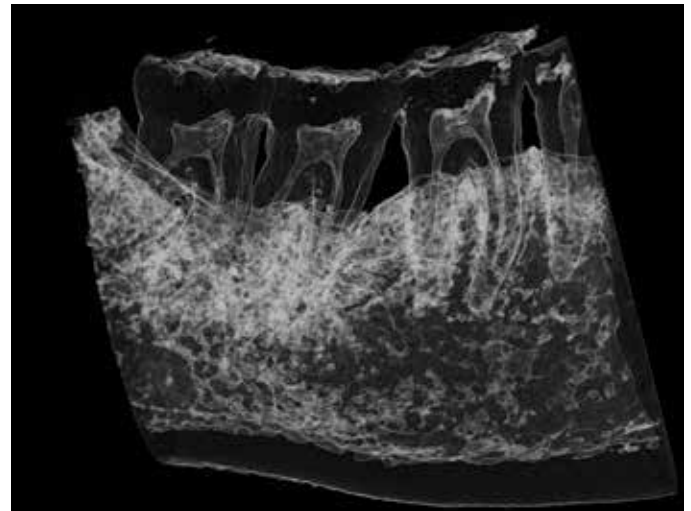
TMJ View



Airway Analysis View



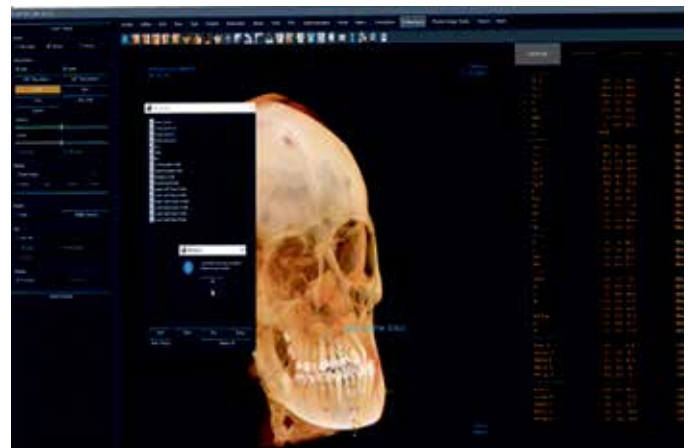
Automated Surgical cuts



Endo View



AI-Driven Cephalometric Tracing



Compatible With 2D Analysis

THE GATEWAY TO

3D IMAGING

Empower Your Practice

DIGITAL IMAGING SOLUTION WITH HD CMOS SENSOR

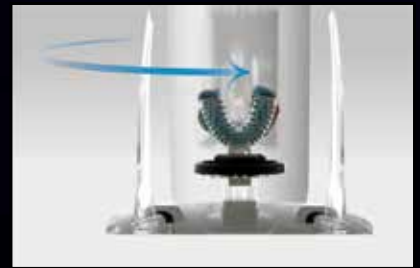
Experience precise imaging of dental and facial structures with RAYSCAN a 3D. Our equipment is equipped with essential features to achieve personalized treatment plans and aesthetic results while prioritizing patient comfort and safety. Our technology ensures thorough scans with minimal radiation exposure, helping doctors enhance patient care and transform smiles



CBCT



Panoramic



Model Scan

Optimal FOV size for 3D Diagnosis

FOV **10×10**_{max.}

Predefined FOV

Implantology, Endodontics,
Orthodontics and single TMJ

High Resolution

100μm 160μm

FOV 9x5 FOV 10x10

Accurate results instill confidence
in your diagnosis

Rapid Reconstruction

2-20sec

Fast Scan & HD Scan

Ability to quickly review CT
images & dramatically cut down
on chair time



RAYSCAN α^{3D}

HD CMOS SENSOR



reddot design award
winner 2012

Predefined FOV options offer convenient usability

RAYSCAN a 3D allows for comprehensive clinical perspectives, enabling confident diagnoses and treatment plans, by providing optimal FOV size and resolution essential for dental treatment.



HD-Resolution: Endo View & Jaw

FOV 9x5cm	FOV (cm)	Voxel Size
100μm	10x10 (Jaw)	160 μm
	9x5 (Endo)	100 μm

Optimal FOV size for 3D diagnosis

RAYSCAN a 3D is designed to offer a 10x10 FOV for effective dental diagnosis.



10 diameter



10 height

Full dentition

3rd molar

RAYSCAN a 3D area

10 Diameter

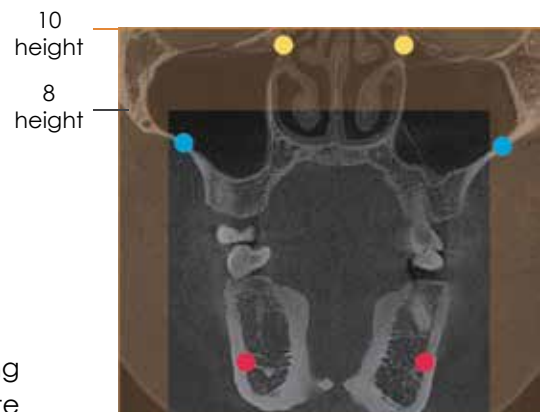
The diameter of the FOV can extend to 10cm, allowing for examination of the entire dentition, third molars, and a single TMJ, ensuring an optimal FOV size.

For Implantology & Orthodontics

10 Height

The field of view(FOV) can extend vertically to 10cm, enabling simultaneous examination of the inferior alveolar nerve, complete dentition, maxillary sinus, sinus artery, and ostium. This capability proves advantageous not only for maxillary and mandibular implant treatment planning but also as a valuable feature for implant surgical guide planning. Moreover, in orthodontic treatments, it facilitates the comprehensive assessment of deeply impacted teeth and supernumerary teeth in a single scan.

- ✦ Implant surgery plan and surgical guide
- ✦ 3rd molar extraction
- ✦ Orthodontic treatment plan
- ✦ Complex impactions
- ✦ Single TMJ analysis



Competition

RAYSCAN a 3D scan area

Ostium

Sinus artery

Mandibular nerve canal

Clear Panorama

RAYSCAN a 3D provides rapid and precise image reconstruction, enabling clinicians to examine CT scans in just 20 seconds. This leads to reduced wait times for patients and expedited treatment planning processes.



Optional Ceph Modality

Option for either one-shot ceph sensors or direct conversion scan ceph attachment. One-shot ceph captures images in 0.8 seconds, reducing patient radiation exposure and minimizing distortion, while the direct conversion attachment ensures high-resolution scans.



Direct Conversion
Scan Ceph



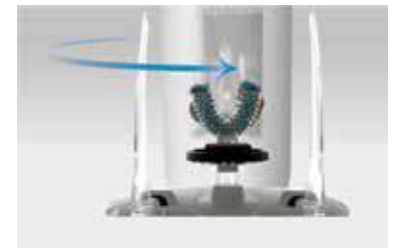
One-shot
Ceph Standard



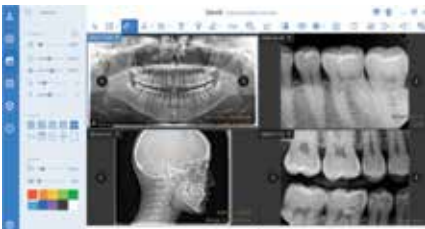
One-shot
Ceph Large

Impression Scan

RAYSCAN a 3D uses advanced 3D scanning technology to capture data from physical impressions and gypsum models, which is then utilized to generate the required STL file for CAD/CAM applications



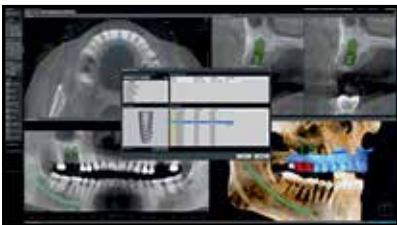
2D Imaging Software - SMARTDent



- ✦ Integrated dental image management
- ✦ Implant & canal draw simulation
- ✦ Simple and powerful search(id, name, date, modality)
- ✦ 16 bits full imaging system with DICOM 3.0
- ✦ Supports TWAIN-compliant input devices
- ✦ Convenient layout

ONDEMAND3D - 3D Imaging Software

The beginning of your complete 3D Dental imaging solution OnDemand3D



Planning Implant Placement

Implant surgery is one of the most complex and sophisticated areas. Through OnDemand3D, you can analyze the patient's oral cavity in detail, place the implant in the right location, and perform a virtual operation.



Analysis Report



Orthodontics-Auto Ceph Tracing



Airway Measurement



Comparative Analysis

OPG COMPARISON

Feature	Genoray Papaya Slim	Vatech Pax-I	Carestream CS 8100	Myray X5	Why Genoray Papaya Wins
Panoramic Imaging	High-res CMOS with multi-focus	Standard HD sensor	CMOS with CS Adapt enhanced sharpness	Clear 2D programs	Superior multi-focus image clarity
Cephalometric Imaging	Yes (4 sec, auto positioning)	Yes (Lateral + PA)	Yes (basic add-on)	Yes (optional)	Fastest ceph with auto alignment
Multi-Focus Layers	Yes	No	No	No	Avoids re-scans due to misalignment
Radiation Safety	Segmental scan options	Basic region select	Dose-reduction modes	Pediatric, TMJ scan	Best patient radiation protection
Scan Modes	20+ (Pano, TMJ, Sinus, Bitewing)	Fewer modes	Limited	15 scan modes	Most comprehensive exposure choices
Special TMJ view	Lateral-PA Combine	Not available	Not available	Not available	single film with both unilateral view
Smart Ceph	Available	No	No	No	Get profile idea without Ceph arm
User Interface	Pictorial + LED guidance	Touchscreen	Touchscreen	Button + graphical	Most intuitive with visual cues
Scan Time	4–17 seconds adjustable	10–15 sec	~10 sec	5–12 sec	Widest scan range with flexibility
Sensor Tech	75µm pixel CMOS	CMOS	Adaptive CMOS	CMOS	High-pixel, advanced output
Compact Design	Ultra-compact, Self standing	wall mount	wall mount	Wall-mounted	Smartest, space-saving design
Patient Positioning	Face-to-face + 9 jaw shapes	Face to face	Face to face	Basic frontal	No anxiety and fear of closed space to patient
Tomography (2D)	Yes (CUST feature)	No	No	No	can measure Bone width bucco-lingual/palatal
Software	TRIANA with simulation tools	EzDent-i	CS Imaging	iRYS Viewer	TRIANA's full-suite integration
Voice & LED	Yes	Not available	Not available	No	Better command and handling
Jaw Adaptability	9 shape presets	Not specified	Limited	Fixed	Best jaw adaptability
Wheelchair Access	Yes	Limited	Yes (optional)	Limited	Fully accessible design

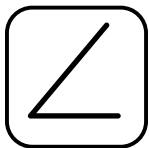
CBCT COMPARISON

Feature	Genoray Papaya 3D Plus	Vatech Pax-i 3D Smart	Vatech A9	Carestream CS 9600	Myray Hyperion X5 3D	Why Genoray Papaya 3D Plus Wins
FOV (Field of view)	4x5 to 16x14 cm (Endo to Full face)	5x5 to 12x9 cm	8x8 cm (very limited)	4x4 to 16x17 cm	Up to 10x10 cm	Widest FOV range (4x5 to 16x14 cm) for any clinical need
Voxel Size (Resolution)	75 (Endo)-200 µm (Face)	120-300 µm	200-300 µm	75 -300 µm	80 - 250 µm	Only system with 75 µm Endo + 200 µm Skull view range
Scan Time	7.7 to 24 sec (Ultra Fast & HD)	15-24 sec	15.5 sec	10-30 sec	12-22 sec	Fastest scan in 7.7 sec (CBCT) & 4 sec (Ceph)
Cephalometric Option	Fast Ceph Scan in 4 sec	Yes	Optional Ceph	Yes	Yes (Optional)	Dedicated Ceph sensor = superior clarity & speed
Imaging Modes (2D/3D)	3-in-1: CBCT + Panoramic + Ceph	2-in-1: CBCT + Panoramic	2-in-1: CBCT + Panoramic	3-in-1: CBCT + Panoramic + Ceph	3-in-1: CBCT + Panoramic + Ceph	True 3-in-1 with fastest switching & automation
Sensor Type	3 Dedicated CMOS Sensors	2 CMOS Sensor	1 CMOS Sensor	2 CMOS Sensors	1 CMOS Sensor	3 dedicated sensors = high lifetime & quality
Software Platform	Invivo 7 Software with STL, Endo, Ortho, TMJ, Cast/Impression Scan	Ez3D-i with basic planning tools	Ez3D-i with EzDent-i viewer	CS Imaging + Studio Tools	iRYS Viewer with limited tools	Only software with STL, cast, impression, TMJ, Endo, Ortho
AI/Smart Features	Yes - Auto positioning, SMARF, voice assist	no cast/ impression scan	Limited to panoramic reconstruction	Yes, Smart Positioning, Facial Scan (Premium)	Not Available	AI + SMARF + voice + STL + jaw presets = unmatched Accuracy
Scan Modes	Normal, Fast, HD, HR (Endo/ Implant/Full Arch)	Limited scan presets	Standard & HD Scan Modes	Multiple protocols, auto collimation	Basic scan presets	Multiple modes optimized for all specialties
Implant Planning & STL Export	Yes, One-click STL export for lab use	Intermediate implant module	Implant planning with basic STL export	Yes, STL and CAD compatible	Basic STL	Auto STL + impression & cast scan = digital dentistry ready
Endo & High-Res Scan Capabilities	Yes, 75 µm for Endo, hairline cracks, pulp stones	120µm endo resolution	No endo mode	Yes, have 75 µm Endo evaluation	Moderate detail	Best in-class 75 µm endo mode for canal/fissure/ cracks
TMJ & Airway Tools	Yes, Built-in airway + TMJ with multi-view options	Basic airway, TMJ view	TMJ & Airway analysis can not be performed with limited fov of 8x8	Yes, AI Airway & TMJ Studio	TMJ view	Built-in multi-angle views for airway, TMJ & Ortho
Patient Positioning	Face-to-face, 3 laser guides, 9 jaw shapes	Basic headrest & laser guide	Chin rest + head support + laser positioning	Facial recognition & laser guide	Laser guide, frontal position	Most ergonomic with face-to-face & auto chin rest
Radiation Safety Features	ALARA, segmental exposure, child mode	Child mode, automatic dose control	Standard presets only	Smart dose modulation	Pediatric mode, basic filter	Smart exposure + ALARA + segmental safety system
Compactness & Installation	Self-standing, sealed base, plug & play	Wall-mount, medium footprint	Mid-sized wall-mounted unit	Large floor-standing unit	Compact wall-mounted	Clinic-friendly, sealed base, no drilling, compact

Ray 98p (Gun Type) Handheld Portable X-Ray

IMAGING IN MY CONTROL

MODERN MEDICAL IMAGING TECHNOLOGY
More accurate and more flexible.



Smart Camera
Angle Assistance



Ergonomic
Design



Long Battery Life

Technical Specifications	
Tube Voltage	70kV±10%
Tube Current	2mA + 20%
Input Voltage	100V-240V
Frequency	50 -60Hz
Anode Angle	12.5°
Focus	0.4mm
Exposure Time Range	0.04s -2.0s
Leak Emissivity	1 meter 0.25mGy/h
Machine Weight	1.7kg
Relative Humidity	30%RH-75%RH

Xpect Vision Intraoral Sensor – Now Powered by AI

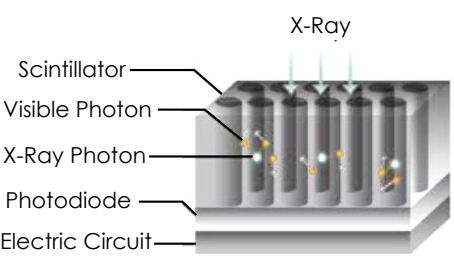
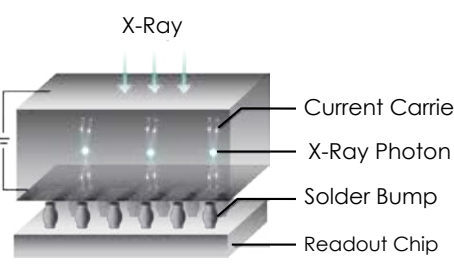
The Massive Upgrade Has Arrived: AI + Photon Counting Technology

Xpect Vision, the pioneer behind the world's first Photon Counting Intraoral Sensor, has just redefined diagnostic precision by integrating the power of Artificial Intelligence into its cutting-edge imaging platform.

Already celebrated for its revolutionary Photon Counting Detection-a technology that avoids the distortion of light scattering by enabling direct X-ray imaging-Xpect Vision now enters a new era of AI-enhanced dentistry. This upgrade is not just incremental. It's transformational.

Cutting Edge Technology and Strict Tests Deliver Unrivaed Durability

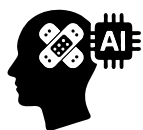
The Xpectvision intraoral sensor uses silicon-based chips instead of the traditional material, cesium iodide (CsI), avoiding image blurring or performance deterioration.

Competitor	Xpectvision
 Scintillator Visible Photon X-Ray Photon Photodiode Electric Circuit	 Current Carrier X-Ray Photon Solder Bump Readout Chip
Cesium Iodide (CsI) Indirect Imaging	Silicon-based chip Direct imaging

What's New: AI-Powered Intelligence, Built Right In



AI-Powered Imaging: Get unmatched clarity powered by advanced algorithms that interpret radiographs in real-time.



AI-Enhanced Diagnostics: Identify caries, anomalies, and bone loss more confidently with AI assistance.



AI-Assisted Accuracy: Ensure precise detection of dental structures, root canals, crowns, fillings, and more with zero guesswork.



AI-Driven Clarity: Experience next-level contrast, sharpness, and definition to differentiate even the finest structures.



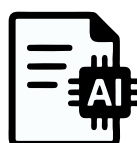
Real-Time AI Insights: See diagnostic suggestions instantly-Caries detection, structure identification, and pathology markers pop up live during image acquisition.



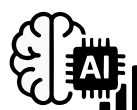
Size 1



Size 1.5



AI-Augmented Reporting: Create smart, detailed, and structured reports within seconds-ready to share with patients and specialists.

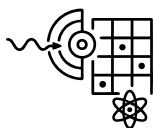


AI-Empowered Results: Make faster and more informed clinical decisions, reduce human error, and improve patient communication

Still the World's First - Still the Best

Xpect Vision remains the first & only intraoral sensor globally to adopt Photon Counting Detection, a technology previously exclusive to clinical CT and high-end medical imaging. This massive upgrade brings AI to the top-tier photon counting framework, offering the most powerful and futuristic imaging solution in modern dentistry.

Technical Brilliance Meets Clinical Intelligence



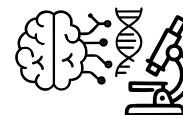
Photon Counting Detection



Clarity You Can Trust



Real-Time Analysis



AI Diagnostics

Xpect Vision Intraoral Sensor – Specifications Comparison

Speifiation	Size 1	Size 1.5
Technology	Photon-Counting Without Scintillator, Direct Conversion	Photon-Counting Without scintillator, Direct Conversion
Dynamic Range	16 bits	16 bits
Actual Resolution	14~16 lp/mm	14~16 lp/mm
Imaging Area	20 × 30 mm ²	25 × 30 mm ²
Dimensions	26.5 × 41.3 mm ²	31.5 × 41.3 mm ²
Thickness	5 mm	6 mm
Imaging Time	3 seconds	3 seconds
Image Format	BMP / DIR / DCM / JPEG / PNG / TIFF	BMP / DIR / DCM / JPEG / PNG / TIFF
Connection	USB 2.0	USB 2.0
Waterproof Rating	IP68	IP68
Cable Length	3 meters (Extendable)	3 meters (Extendable)

Why Choose the Upgraded Xpect Vision Sensor?

1. Dual Power: Photon Counting + Artificial Intelligence

- ✦ Captures X-rays directly - **no conversion to visible light**, eliminating image scatter.
- ✦ **AI overlays** immediately flag anomalies, saving time and boosting confidence.

2. Unmatched Image Quality and Speed

- ✦ **Delivers HD diagnostic images in under 3 seconds**
- ✦ **500,000+ images lifespan** with consistent quality
- ✦ **Zero image degradation** even after years of use

3. Safer for Patients

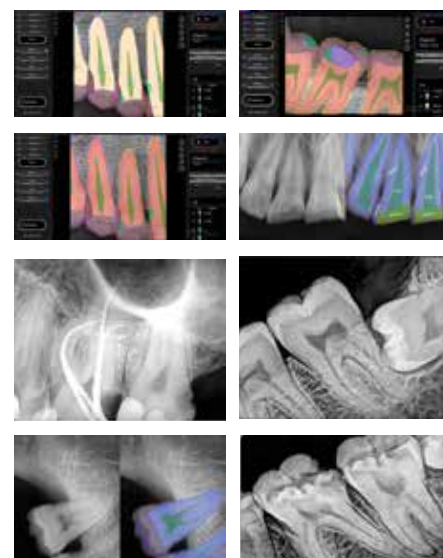
- ✦ Direct detection means **fewer layers and reduced radiation exposure**
- ✦ AI guides your shots-**fewer retakes, faster decisions**

4. Built Tough for Everyday Dentistry

- ✦ **Waterproof & Dustproof (IP68)** for total peace of mind
- ✦ Reinforced cable tested for **100,000+ bending cycles**

5. Future-Proof Software with Smart Features

- ✦ Intuitive, user-friendly interface
- ✦ **Smart AI report generation**, image management, and sharing
- ✦ Designed for easy integration into your clinic's digital workflow



RVG 5200

The RVG 5200 is the perfect choice for those looking to take a first step into digital dental radiography. An ideal solution for intraoral imaging needs, the easy-to-use sensor allows users to capture exceptional images quickly and easily. The image quality of the RVG 5200 sensor is the same or higher than other intraoral sensors in its class - so there is no need to sacrifice image quality for affordability.

Easy to install, so you can use it immediately

The RVG 5200's user-optimized quick install & user guides help through the installations process, while the post-installation tool verifies the system is working properly to eliminate downtime.

Technology you can count on

The RVG 5200 sensor is backed by Carestream Dental's decades of experience in digital radiography systems and engineering. To protect your investment, all of the connection points along the sensor cable have been reinforced for added durability, ensuring the sensor can withstand hard pulls and torsions.



Waterproof & fully submersible
for optional infection control



High Image
Quality



Convenient
quickstart



Maximum
durability



CE / EC US FDA / ISO 13485:2016

Technical Specifications

Technology	CMOS
True Image Resolution	16 lp/mm
Connection	USB 2.0 - High Speed
Size 1	All Purpose sensor providing the best compromise between ease of use and active area
Outside Dimensions	27.6 x 37.7 mm
Dimensions of Active Area	22.2 x 29.6 mm
Sensor Plate Thickness	7.3 mm





WHERE **TRUST** COMES **FIRST**



**Warranty Ke Saath Bhi
Warranty Ke Baad Bhi**

For any Sales & Support

 9821184441, 8448398852

 sales@unicorndenmart.com

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Register Your Complaint with A Missed Call: **7065-558-558**

 011-45551250, 51, 55  97170-12081, 95994 -48518

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* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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