

3 in 1 Digital System! Combination Dental imaging system

Combination Dental imaging system

VOLUX 21 · VOLUX 21C™

The new Generation of system
3 in 1 Digital Dental System !



The New Generation of Combination Imaging System

In need of 2D/3D Combination Imaging tool?

Look no further as Genoray's VOLUX 21C will exceed your expectations.

With only this machine, diagnosis, surgery, correction are solved - 3 in 1 System!

- Affordable and Efficient All in One
- Better safety machine, Safety, Convenience considered
- In each scan mode, able to scan with no movement of sensor
- Face to Face way and providing convenient patient positioning
- With advanced engineering, it offers the highest diagnosis condition
- High quality equipment, able to install with any X-Ray room



3D Volume Rendering



High Quality Image



One Shot Cephalo



*Touch screen way
LCD Touch Screen way and providing short scan mode
setting and short scan time*



*Stitch
Make two 3D volume images into one.*



Sectional to Full view, providing high image quality



*Low radiation than for safety
Lower radiation exposure*



MAR (Metal Artifact)



*Face to Face
Face to Face way and providing convenient
patient positioning*



Touch Screen (Operation Panel)



*Shorter Scan Time
Completes scan in 8.5 seconds*



*Shorter Scan Time
Completes scan in 8.5 seconds*



Surpassing Image Quality



*VOI (Volume of Interest)
VOI (Volume of Interest) function is after shooting X-ray,
enhancing image quality of CT Data by Sectional
Reconstruction*

Do you still use 3D imaging to treat your patients? It's time to get 3 in 1, VOLUX 21C!

Now get ready with combination dental imaging system. Panorama, Cephalo, and CT,
All in One – Affordable and Efficient

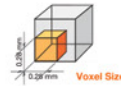
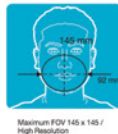
Before Scan, setting patient position, able to progress smoothly until scan mode setting

Surpassing Image Quality

FOV
14x9

High Capacity FOV 14.5 x 9.2

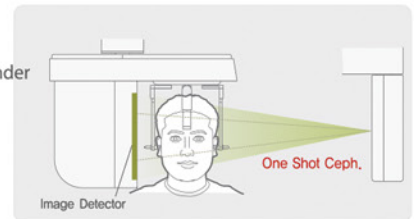
Sectional to Full view, providing
high image quality



One Shot Cephalo



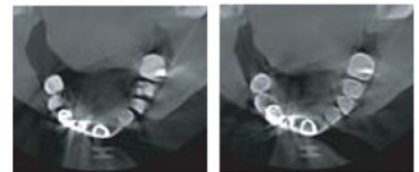
One Shot Cephalo, and scan time is under
2 second



MAR (Metal Artifact)

MAR

The world first, metal artifact
reduction applied – give accurate
image quality



Touch Screen (Operation Panel)



Easy and Comfortable

LCD Touch Screen way and providing
short scan mode setting
and short scan time

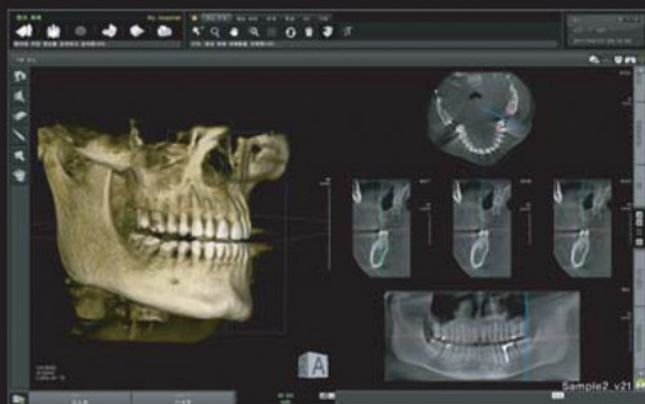
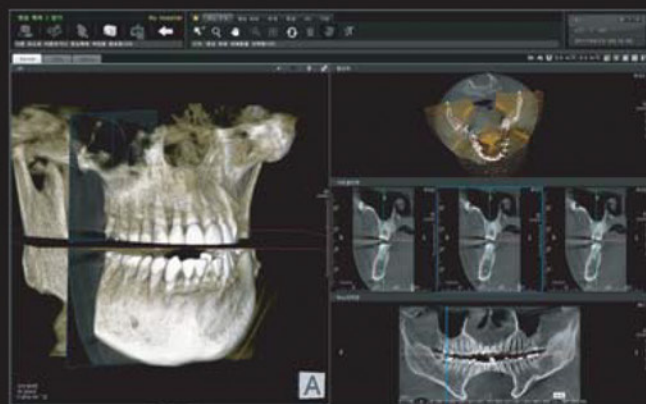
Lower Radiation Exposure



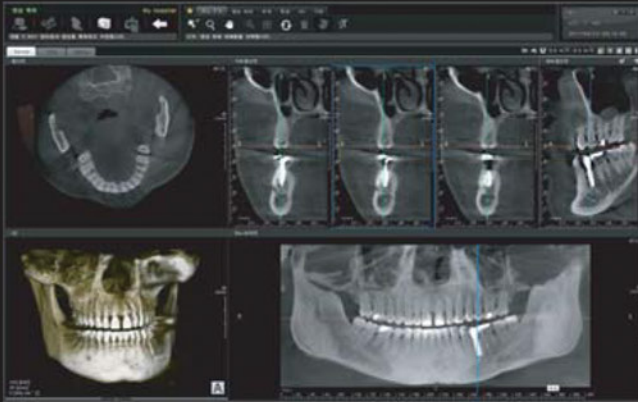
With extreme technology in pulse scan,
develop the lowest radiation than
for patient's safety – reduced by half

• The specifications above can be changed without notice.

TRIANA™ is fully equipped for 3D diagnosis.
Presets allow you to take exact image you need.



FOV(145x92mm), Resolution (0.28mm)
Use Normal mode, when your need large FOV



Providing highest condition of implant analysis with short scan time, and motion artifact reduced with reconstruction of soft tissue, using S/W-different patient size-with expression of highest skin quality

Triana, software backbone of VOLUX 21C is feature packed 3D diagnostic software.
TRIANA™ is able to interwork with Genoray Dental Line up

TRIANA™ Genoray's 3D reconstruction viewer.

TRIANA™ is able to manage Panoramic, Cephalometric, CT, and Portable, with Sensor image, and Triana is compatible with PACS



3D Reconstruction
Hive engine

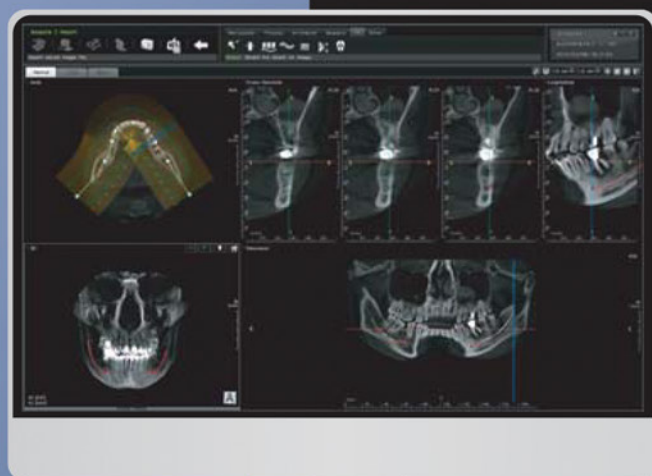


Full PACS
Solution Supported



3D Volume
Rendering

- **3D Volume Rendering**
Various volume rendering options such as Gray, X-ray, MIP and etc provide 3D image visualization
- **MPR (Multi-Planar Reformatting)**
MPR mode provides three plain view (axial, coronal 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 lesion
- **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**
Supports DICOM 3.0
- **CD See**
CDSee generates an external output on CD, DVD or USB storage of 3D volume data with free version of Triana.
- **Self-Developed TRIANA S/W, providing un-limited Client User**



- **Supporting Gigabyte and by fast**
providing stable Client Viewer Sp
- **Perfect geometry-CT, PAN, CEPH,**
distortion reduced
- **Interconnecting to equipment-PC**
stability and fast data processing
cable connecting way
- **Able live image transmission of n**
patient list management, and film

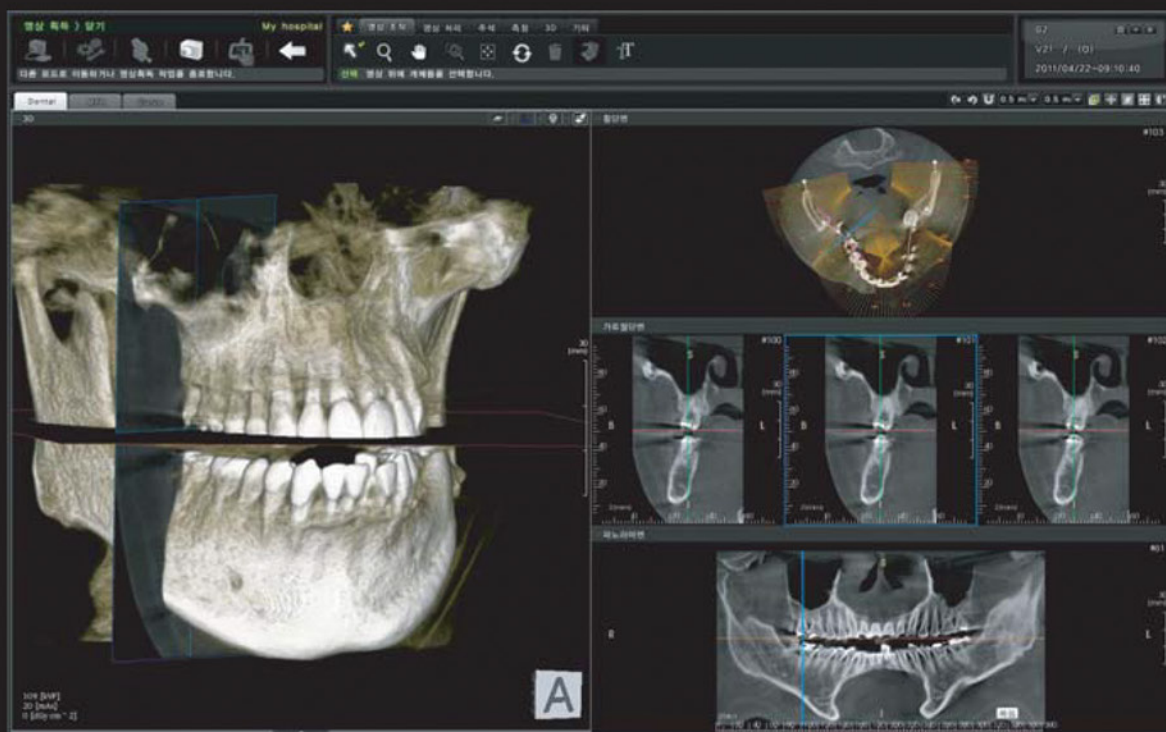


Image processing,
need

and image

, providing high
with fiber-optic

network,
a print service

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Technical Specifications

Model Name

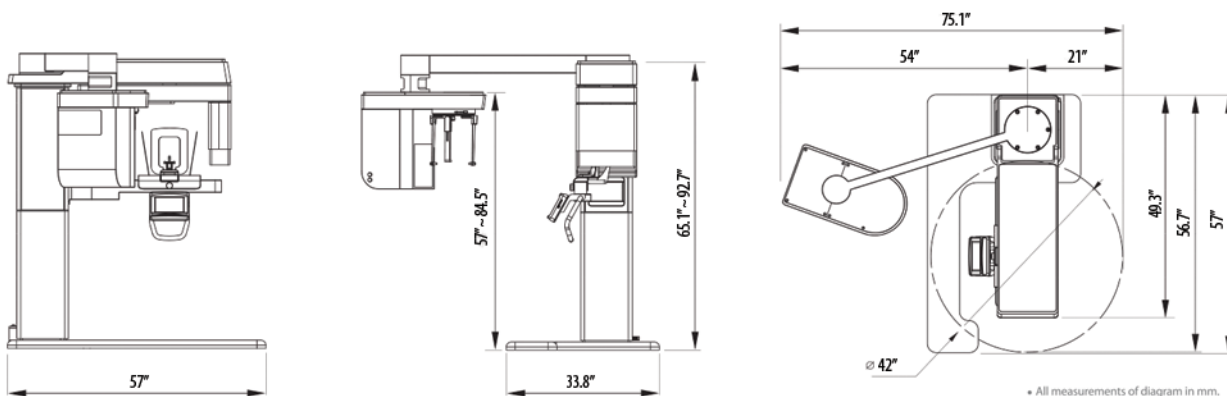
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GENERAL DATA

X-ray Generator	High Frequency, Stationary tube, 60 ~ 110KV, 5 ~ 7mA(79~119mAs)	
Focal Spot	Small :0.5mm / Large :1.5mm	
Image Detector	Flat panel CMOS detector Full Frame CCD detector	
Field of View	CT	Diameter 145 × Height 92mm
	Ceph	240 x 300mm
Voxel Size	0.28mm	
Image Acquisition / Angle	360°	
Scan Time (~max)	CT	15.8 sec
	Panorama	17 sec
	Ceph	0.1 ~ 2 sec
Patient Position	Stand	
Reconstruction Time	~ 2.5 min (max)	
System Weight	Volux 21	250 kg± 5kg
	Volux 21C	300 kg ± 5kg
Main unit (WxDxH)	Volux 21	859 x 1449 x 2356 mm
	Volux 21C	1908 x 1449 x 2356 mm

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Technical Dimensions



INTERNATIONAL DENTAL SUPPLY
OFFICE DESIGN - EQUIPMENT - PRODUCTS

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