

Low Dose **Excellent Image Quality** **Rapid Reconstruction**

DENTRI α



Efficient 3 in 1

CBCT

- > **Precise 3D Anatomical structures**
 - Accurate diagnosis for doctors
 - Safe implant for patients
- > **Significant reduction in X-ray dose**

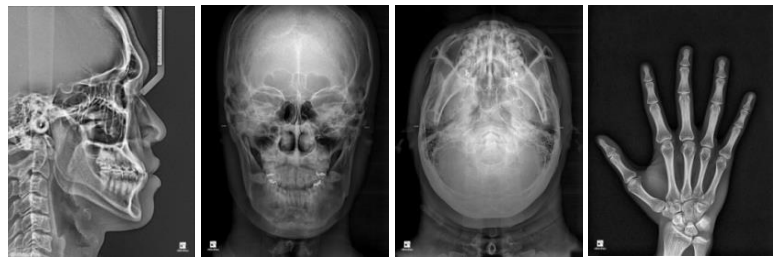


160x145 mm



160x80 mm

Cephalometric image



Lateral Frontal SMV Carpus

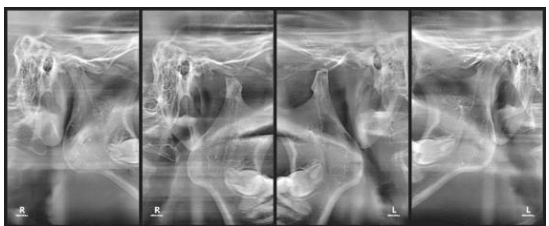
Panoramic image



Panorama



Lateral Frontal Carpus



TMJ

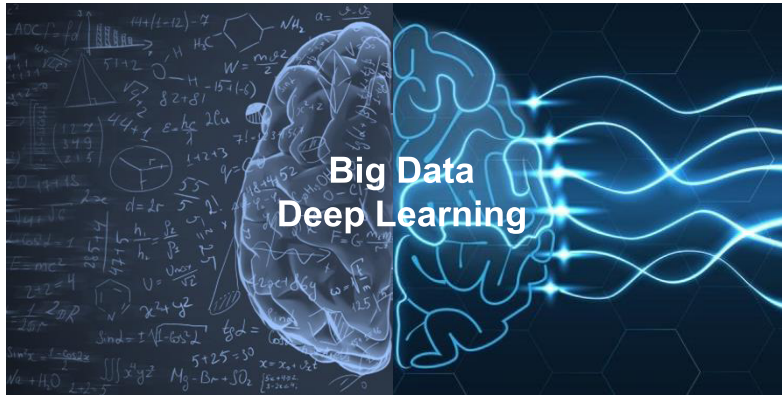
Features

Artificial Intelligence

HDX WILL algorithms combine the technique of **mathematical computed tomography** with that of **deep learning**.

As a result of that, an exceptional CBCT image quality can be generated even at a **low dose x-ray** and the presence of **high-density materials**, which are known to reduce the quality of CBCT image.

The algorithms answer these previously concerned matters without losing valuable details and ultimately **go beyond the limit** of previous CBCT.



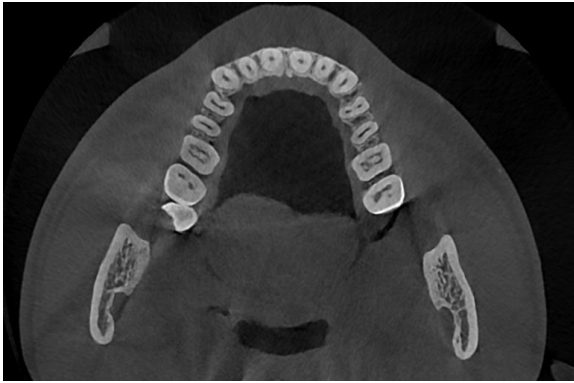
Low Dose

High Quality Image

Accurate MAR

Mathematical Computed Tomography

Ultra Fast Scan (UFS)

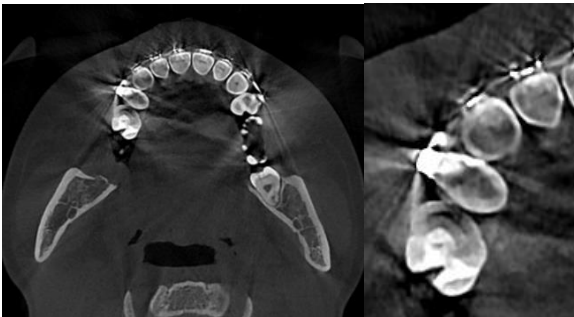


Ultra Fast Scan

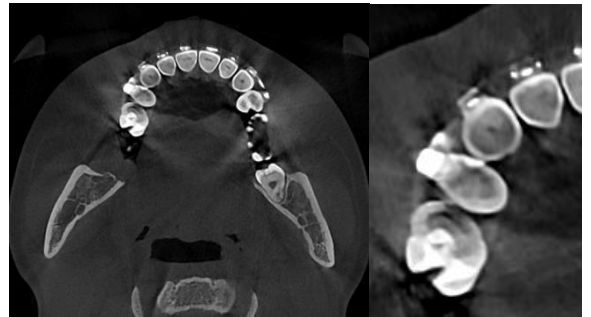


Normal Scan

Metal Artifact Reduction (MAR)



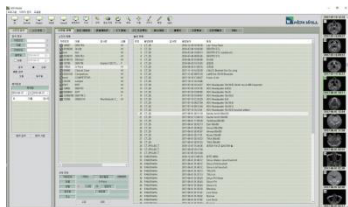
Without MAR



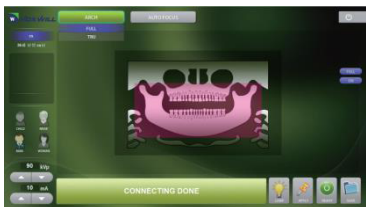
With MAR

Dental Programs

Patient Management Software



Willmaster



Counseling Video



Ceph Tracing



WillCeph

CBCT Software



Will3D



Invivo6



OnDemand3D

Specifications

X-ray beam		Cone beam	Patient Position	Standing
Tube Voltage		60 kV-110 kV	Patient Alignment	Vertical Column: electric motion(Optional) Column: electric motion Temple Support: motion
Focal Spot		0.5mm	Control Device	Alignment: Touch panel Exposure & Image acquisition: PC
Voxel size(CT)		0.10, 0.15, 0.20, 0.25, 0.30	Dimensions (W×D×H)	DENTRIα : 1201mm×1361mm× 2455mm DENTRI-Cα : 2006mm×1361mm×2455mm DENTRI-Sα : 1941mm×1361mm×2455mm (tolerance: ±5%)
Detector Type	CT & Panorama	CMOS	Install	Standing
	One shot type Cephalo	Direct(a-Se, TFT)	System Weight (tolerance: ±10%)	DENTRIα : 243 kg(Stitch mode) 233 kg(Non-Stitch mode) DENTRI-Cα : 270 kg(Stitch mode) 260 kg(Non-Stitch mode) DENTRI-Sα : 260 kg(Stitch mode) 250 kg(Non-Stitch mode)
Gray Scale	Scan type Cephalo	CMOS		
	CT & Panorama	14 bits		
	One shot type Cephalo	14 bits		
Scan Time	Scan type Cephalo	14 bits		
	CT(Pulsed)	8 s or 24 s 16 s or 36 s(Stitch mode)	Field of View(CT) (cm×cm) (Diameter×Height)	4×4 ~ Max. 16×14.5(Stitch) 4×4 ~ 16×8
	Panorama	14 s and less		
	One shot type Cephalo	0.5 s, 1.0 s, 1.5 s, 2.0 s	OS	Windows 10 64 bit
Reconstruction Time(With MAR)		Less than 1 minute	Memory	16G

※ Specifications are subject to change without notice for improvement of product performance.



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