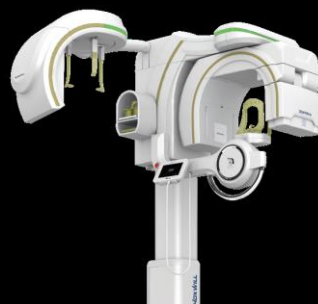
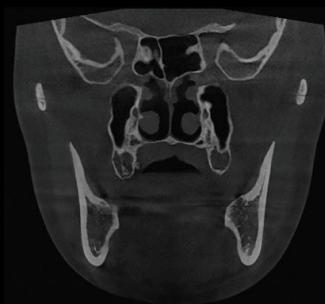
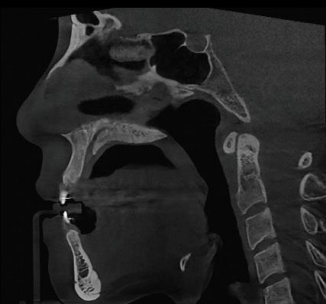
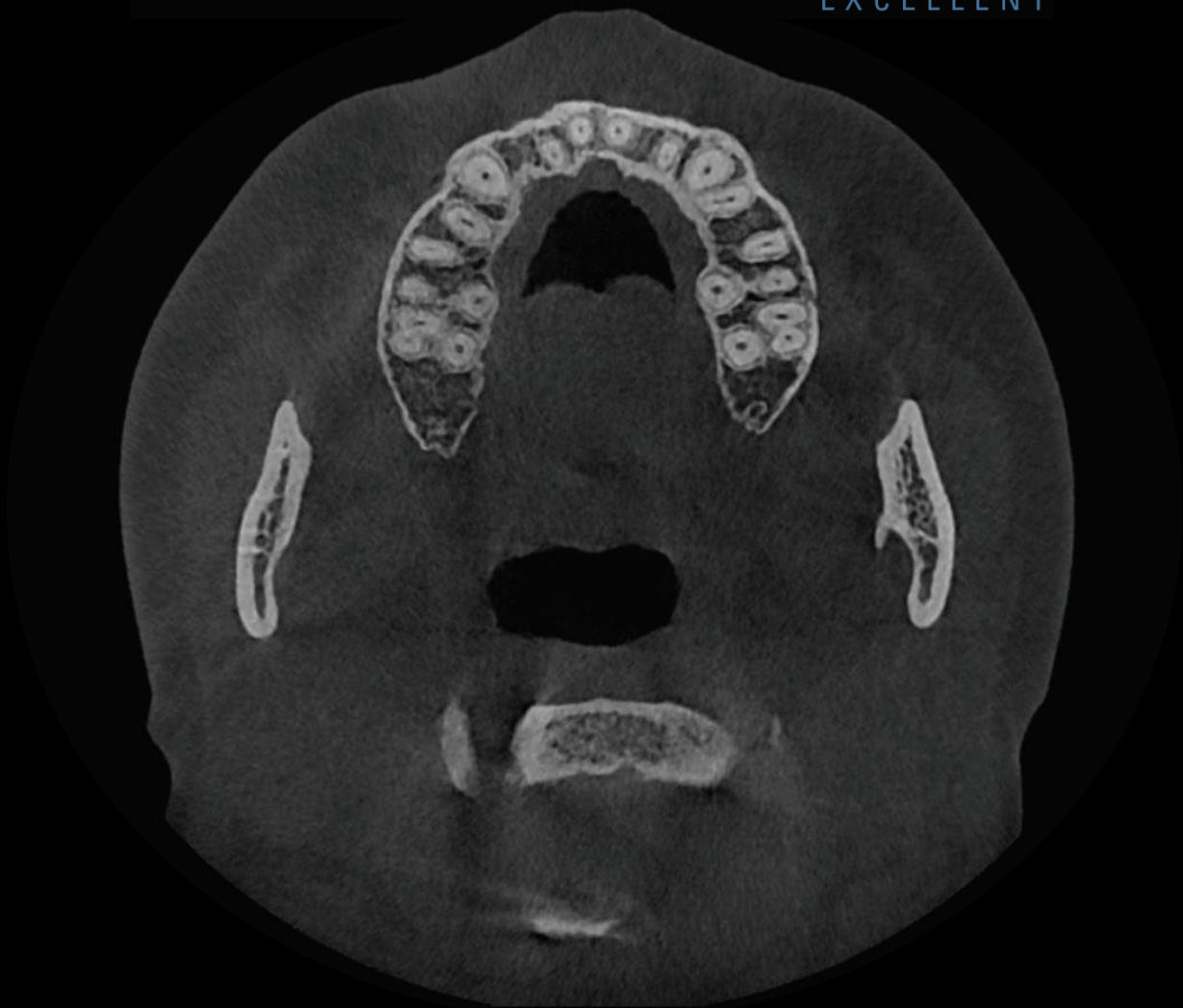


# DENTRI-X

EXCELLENT

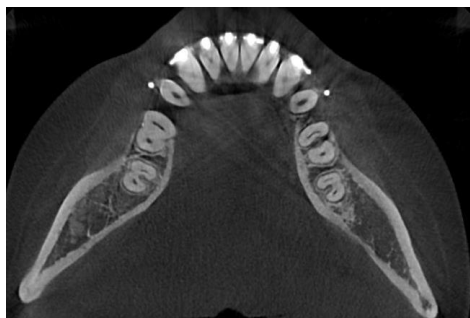


**HDXWILL**

## Outstanding **Metal Artifact Reduction** function



**No MAR**



**Previous MAR**



**DENTRI-X MAR**

## **Ultra Fast Scan (UFS)** with High Image Quality

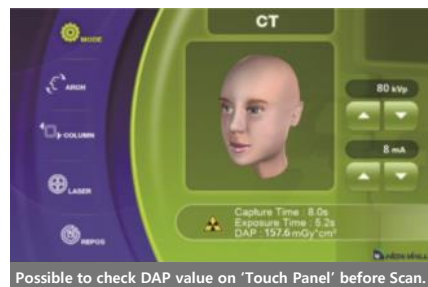
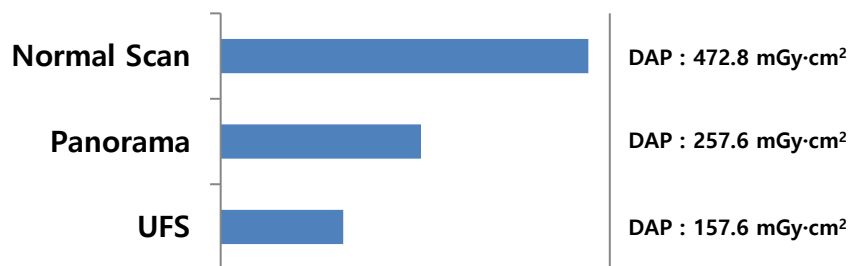


**DENTRI-X Ultra Fast Scan**



**DENTRI-X Normal Scan**

## **DENTRI-X CBCT** with Lower Dosage than Panoramic Image



\*Comparison Chart is based on HDX WILL devices

$$E \text{ (uSv)} = (0.00145 * (kV) + 0.0118) * DAP(mGy * cm^2)$$

\*<https://xkcd.com/radiation/>

\*\*H S shin.et al. Effective doses from panoramic radiography and CBCT(cone beam CT) using dose area Product(DAP) in dentistry, Dentomaxillofac Radiol, 2014

# Same Scan Time & Radiation Dose for Larger FOV!!!



**UFS**

Scan time : 8 s

DAP : 198.8 mGy·cm<sup>2</sup>

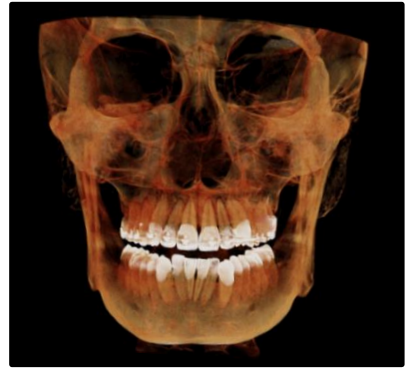
85kVp 8mA

**Normal Scan**

Scan time : 24 s

DAP : 596.5 mGy·cm<sup>2</sup>

85kVp 8mA



**UFS**

Scan time : 16 s

DAP : 397.7 mGy·cm<sup>2</sup>

85kVp 8mA

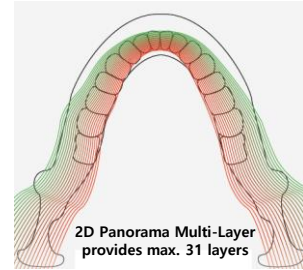
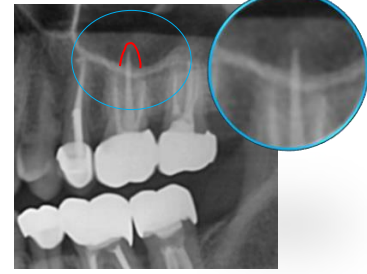
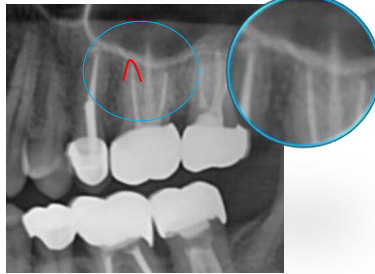
**Normal Scan**

Scan time : 24 s

DAP : 596.5 mGy·cm<sup>2</sup>

85kVp 8mA

## Evolution to 2.5D Panoramic



## Cephalometric Image



Lateral

Frontal

SMV

Carpus



Lateral

Frontal

Carpus

## Panoramic Image



Panorama

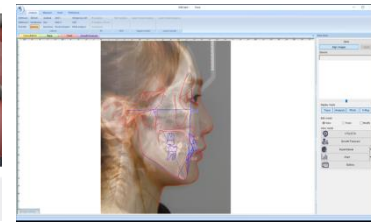
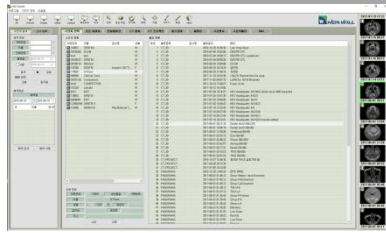


TMJ

# DENTAL PROGRAMS

## Patient Management Software

## Ceph Analysis

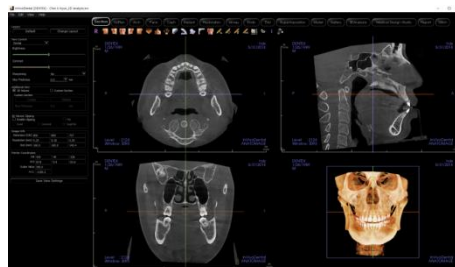
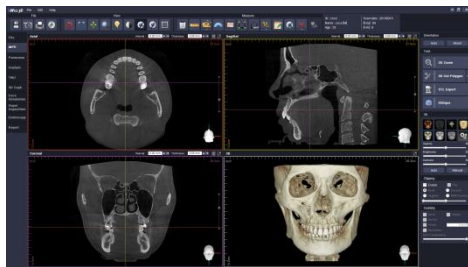


Will-master

Counseling Video

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)<br>Column: electric motion<br>Temple Support: motion                                          |
| Focal Spot     |                       | 0.5mm                                    | Control Device                           | Alignment: Touch panel<br>Exposure & Image acquisition: PC                                                                               |
| Voxel size(CT) |                       | 0.10, 0.15, 0.20, 0.25, 0.30             | Dimensions (W×D×H)                       | DENTRI-X: 1201mm×1361mm× 2455mm<br>DENTRI-X-C(Moving type): 2006mm×1361mm×2455mm<br>DENTRI-X-S: 1941mm×1361mm×2455mm<br>(tolerance: ±5%) |
| Detector Type  | CT & Panorama         | CMOS                                     | Install                                  | Standing                                                                                                                                 |
|                | One shot type Cephalo | Direct(a-Se, TFT)                        |                                          |                                                                                                                                          |
|                | Scan type Cephalo     | CMOS                                     |                                          |                                                                                                                                          |
| Gray Scale     | CT & Panorama         | 14 bits                                  | System Weight (tolerance: ±10%)          | DENTRI-X:<br>243 kg(Stitch mode)<br>233 kg(Non-Stitch mode)                                                                              |
|                | One shot type Cephalo | 14 bits                                  |                                          | DENTRI-X-C:<br>270 kg(Stitch mode)<br>260 kg(Non-Stitch mode)                                                                            |
|                | Scan type Cephalo     | 14 bits                                  |                                          | DENTRI-X-S:<br>260 kg(Stitch mode)<br>250 kg(Non-Stitch mode)                                                                            |
| Scan Time      | CT(Pulsed)            | 8 s or 24 s<br>16 s or 24 s(Stitch mode) | Field of View(CT) (cm×cm) (Diam.×Height) | 4×4 ~ Max. 16×14.5(Stitch)<br>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               |                                          |                                                                                                                                          |
|                | Scan type Cephalo     | 8.2 s and less                           | OS                                       | Window 10 64 bit                                                                                                                         |

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

### H.Q. Sales Office

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### R&D Center

14F, KCC Weltz Valley, 205, Gasan Digital 1-ro, Geumcheon-gu, Seoul, Korea [www.hdx-will.com](http://www.hdx-will.com)

### Manufacturing Facility

#105, 106, 201, 202, 203, 204, 38, Osongsaengmyeong 4-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, 28161, Korea Tel. +82 43-710-7318 / Fax. +82 43-710-7312

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