

### PaX-500 Series

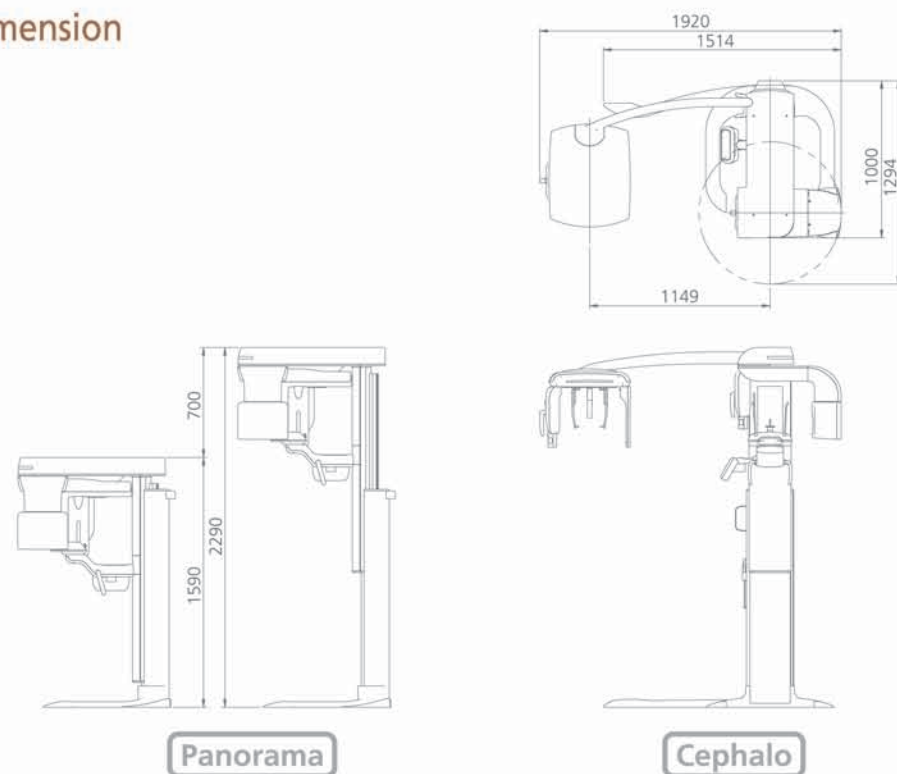
	Panorama	Cephalo	Optional
PaX-500	✓		
PaX-500 Versa	✓	✓	
PaX-500 OS	✓	✓	Exposure Time 1.9sec Cephalo
PaX-500 OS Pro	✓	✓	Exposure Time 0.3sec Cephalo

### Specification

Focal Spot	0.35 X 0.5 mm		
Data Bit	16 bit		
Exposure Time	Panorama	Fast	9.1 sec
		Normal	12.9 sec
	Cephalo	Versa	12.5 sec
		OS	1.9 sec
		OS Pro	0.3 sec
Power	110/220V, 1.3 kw		
Tube Voltage	40~90 kVp		
Tube Current	2~10 mA		
Data Acquisition Speed	20 Mb/s		

※ The specifications are subject to change without prior notice.

### Dimension



# PaX-500 Series

PaX-500 Versa • PaX-500 OS • PaX-500 OS Pro

# PaX-500 Series The state-of-the-art digital panoramic x-ray system

## New Paradigm of Digital Panoramic Imaging



### New Technologies in the PaX-500 Series

- **X-ray exposure time reduced to 1.9 sec**
  - DSSI (Dual Shot Signal Integration) technology
  - Eliminates motion artifacts in cephalometric image
- **Eliminates blurred image of the incisor**
  - ALC (Adaptive Layer Control) technology
- **Achieves high-definition cephalometric image**
  - DUET (DUal EnhancementT) algorithm
  - Quality imaging not only for hard bone, but also for soft tissue
- **Guarantees stable signal transfer**
  - CAN (Controller Area Network) system
  - Ensures high system reliability and convenience for maintenance



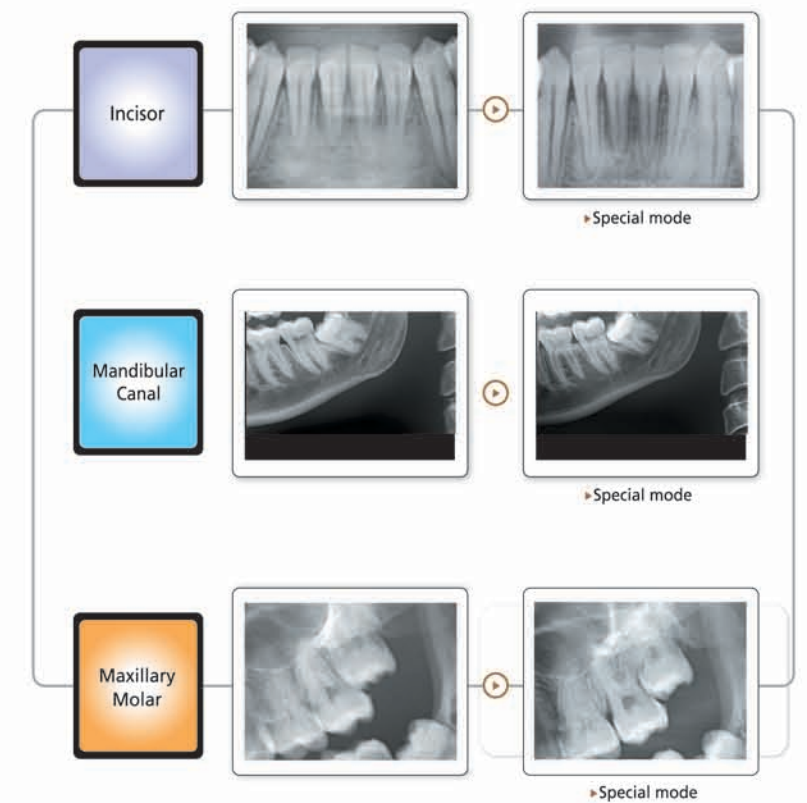
► LCD screen for patient's safety



► LCD Control Panel

- **Acquires stable high-quality image under any condition.**
  - AOP (Automatic Optimizing Process) technology

- **Achieves more clear image for critical usage**
  - Special scanning mode for incisor, mandibular canal and maxillary molar



# PaX-500 Versa

Digital panoramic system with cephalo

The New Technological Standard for Digital Radiography

- Visual & Voice Guidance for patient's safety in the scanning process

- LDCP (Low Dark Current Processing) Logic Circuit**

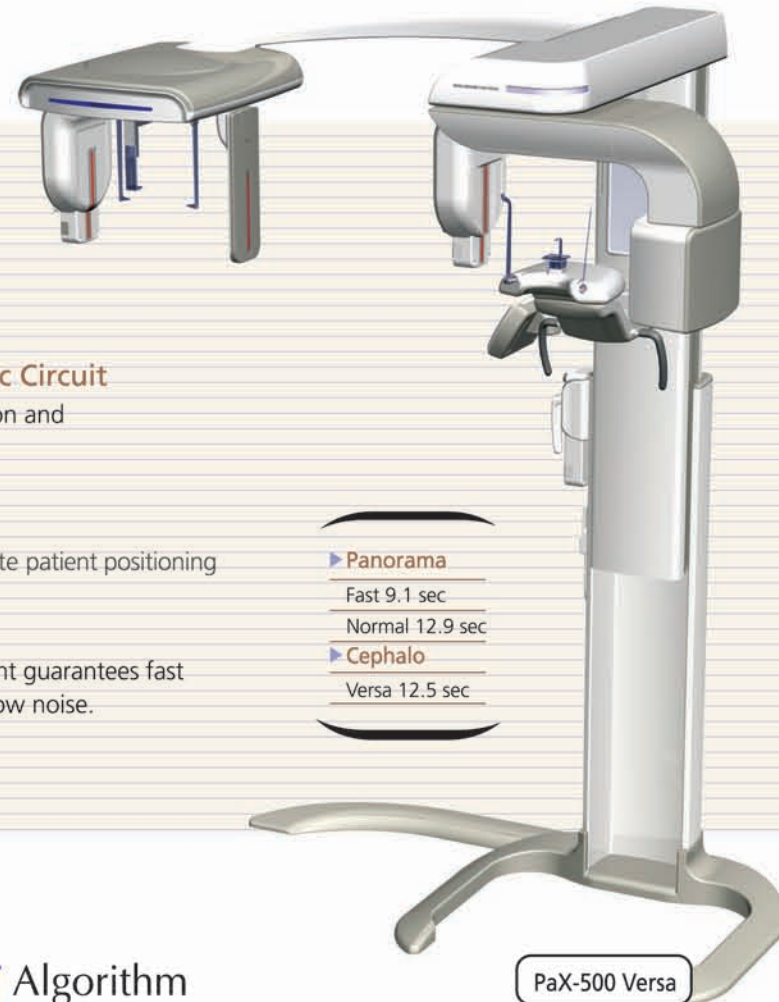
LDCP Logic Circuit ensures zero noise, high definition and wide range of gray scale.

- 3 positioning beams**

Vertical, Horizontal and Canine beams allow accurate patient positioning

- Dual speed vertical movement**

Motorized and weight balanced up / down movement guarantees fast and easy height adjustment with no vibration and low noise.



- ▶ Panorama
  - Fast 9.1 sec
  - Normal 12.9 sec
- ▶ Cephalo
  - Versa 12.5 sec

PaX-500 Versa

## DUET - DUal EnhancementT Algorithm



▶ Image processing for soft tissue



▶ Image processing for hard bone



▶ DUET image

# PaX-500 OS

Digital Panorama with One Shot Cephalo

The Most Advanced Cephalometric System for Orthodontists

- Exposure time : 1.9 sec**

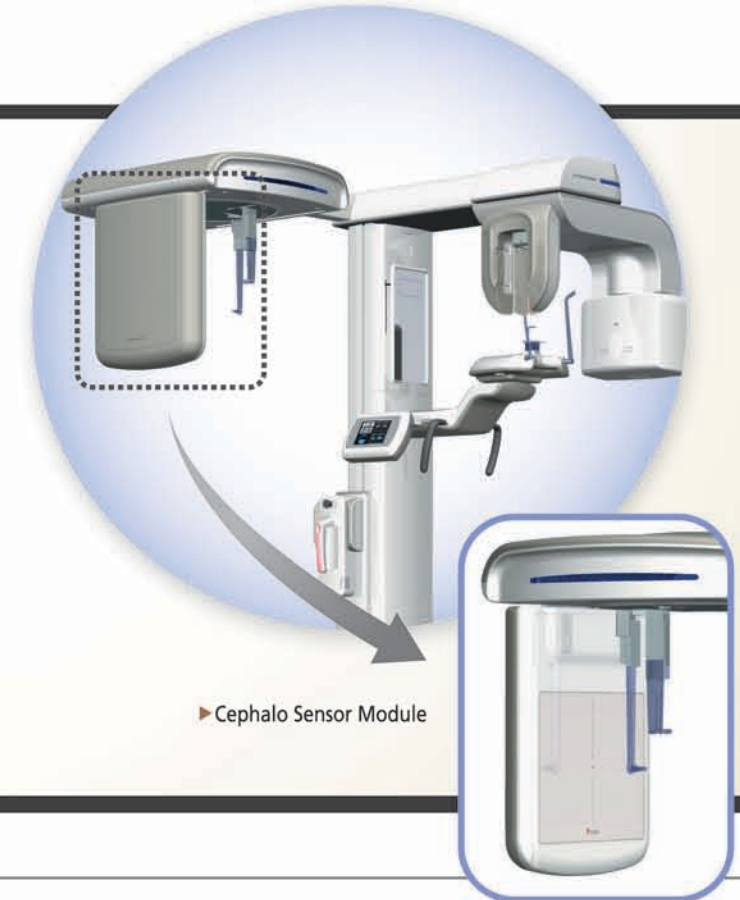
Eliminates motion artifacts in cephalometric image

- DSSI**

Dual Shot Signal Integration technology

- DUET technology**

Quality imaging not only for hard bone, but for soft tissue



▶ Cephalo Sensor Module

# PaX-500 OS Pro

Digital Panorama with One Shot Cephalo

Optimized for Orthodontic with Minimum Exposure Time

- Exposure Time : 0.3 sec**

The ideal solution for patients still in their growth stages

- No Image Distortion**

Uses Big-Size Flat Panel Detector

- Premium Equipment**

For the Orthodontic Specialist

Optimized for Orthodontics with minimum exposure time



▶ High Speed Ceph(0.3 sec)



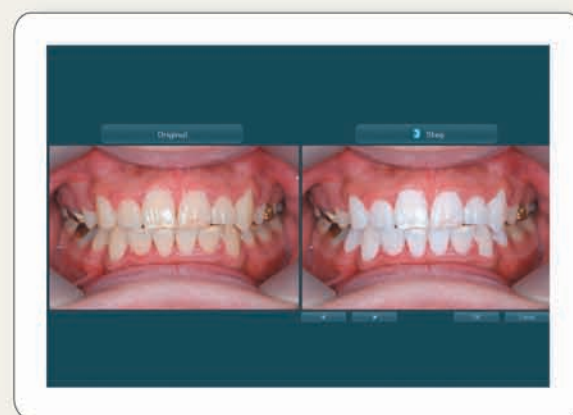
▶ High Speed Ceph(0.3 sec)

# Integrated Program for Diagnosis and Communication with Patient - EasyDent 4.0

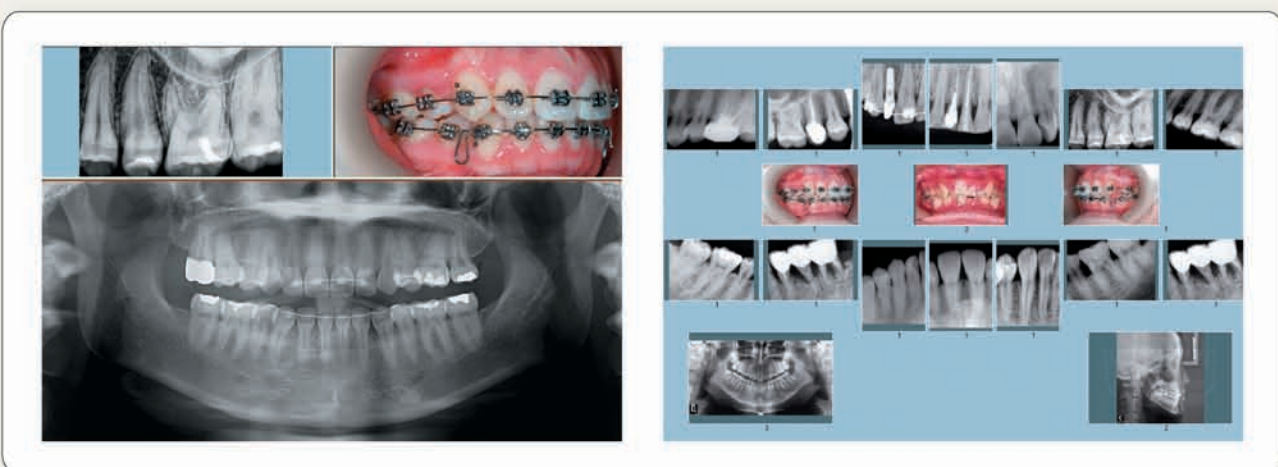
- Easy to learn
- Convenient to use
- Powerful for communication with patient
- Supports all kinds of image formats (bmp, jpg, tif, dcm, etc)



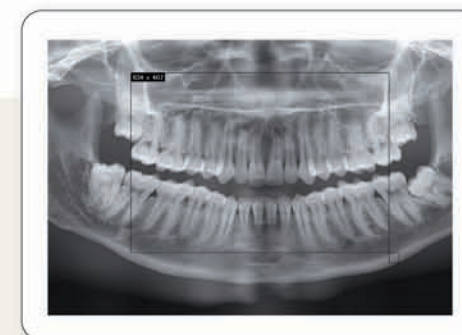
► **Implant & Crown Simulation**  
Measure, Fixture select & insert, Crown loading



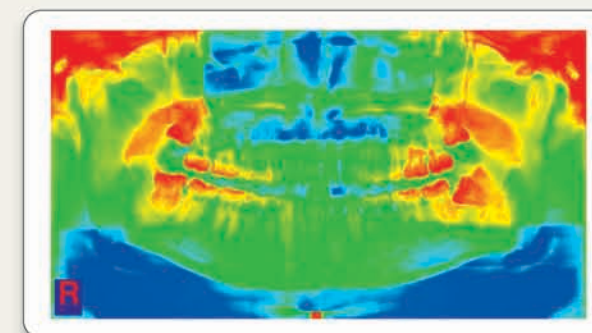
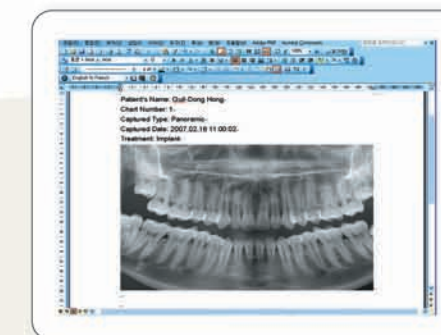
► **Bleaching Simulation**  
3 step simulation



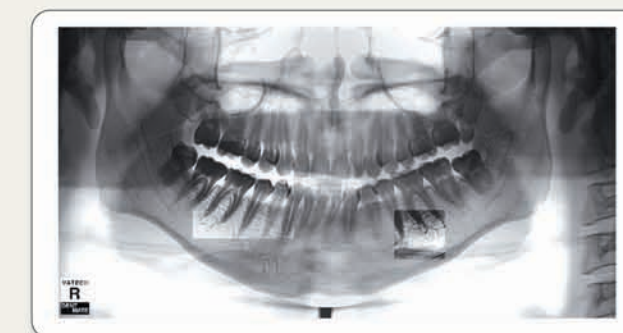
► **Consultation**  
Effective functions to communicate with patients about problems and treatment plan



► **Report**  
Effective materials for presentation & consultation



► **Coloring**



► **Invert & Local enhancement**  
Useful function for checking unclear mandibular canal in normal image



► **Drawing**  
Explanation in detail to the patients regarding treatment plan



► **Magnifying LE**  
Zoom with sharpen function



► **Magnification & Move**  
For accurate explanation regarding regional infections