

RAYSCAN α



Lower Dose

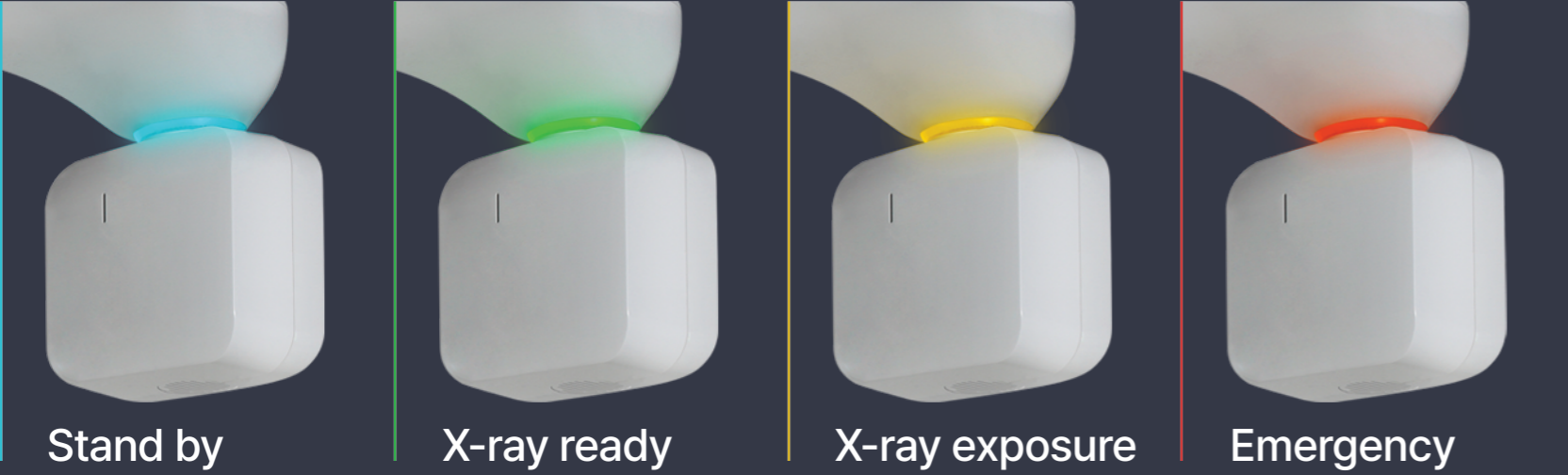
- Quick scan times
- Pulsed X-ray technology
- Multiple scan modes

Intelligent Operation

- Ingenious cooling by ATCT
- Auto alignment
- Minimized preparation time
- Remote update

Technology for Convenience

Make it easy, with Ray



Stand by X-ray ready X-ray exposure Emergency
Easy to read LED - color coded exposure status

Designed for Optimized Workflow
Make it simple, with Ray



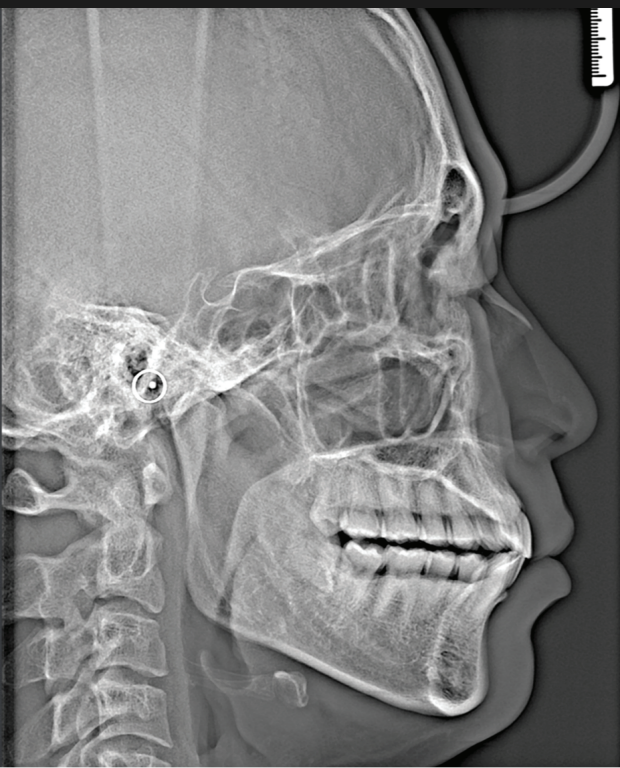
Intuitive user interface



Convenient wireless remote control

Lower Dose

The RAYSCAN α utilizes cutting-edge detectors and pulsed X-ray technology, offering a range of 2D panoramic modes for precise diagnoses. With Adaptive Moving Focus, and noise reduction technologies, it ensures high-quality images while optimizing radiation exposure for enhanced patient safety.



Super Fast Scan Times

4 second cephalometric scans reduce dose by over 80%*

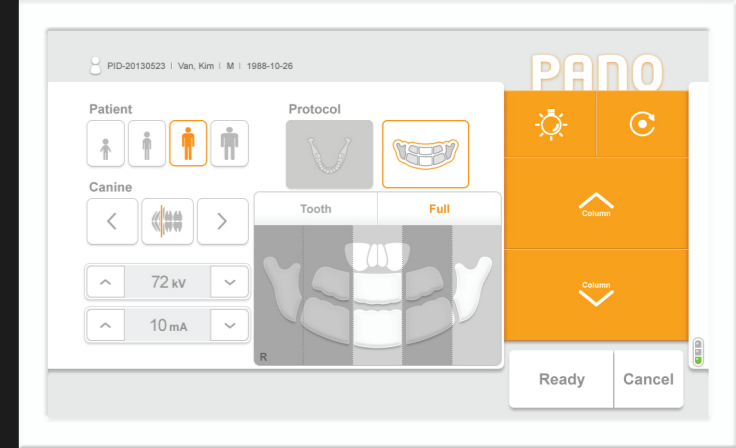
Advanced cephalometric tech enables quick scans for orthodontic procedures. The high-performance CdTe detector captures excellent images, minimizing radiation exposure. Brief exposure times enhance image quality and reduce retake chances due to patient movement, streamlining the diagnostic process.

*compared to previous products

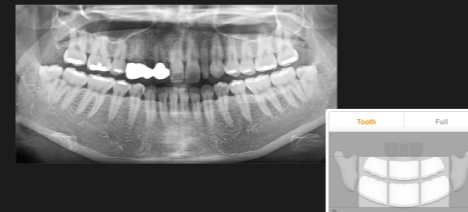
Intuitive Interface

Simplified user interface provides an intuitive imaging workflow:

- Various scan modes with simple selection on the main display.
- Tooth mode has less dose compared to a full mode panoramic.
- Automatically selected dental arch and X-ray exposure condition according to patient's age.



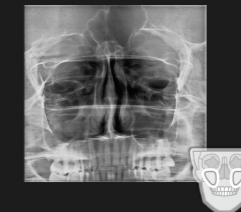
Tooth Mode Segmentation



Full Mode Segmentation



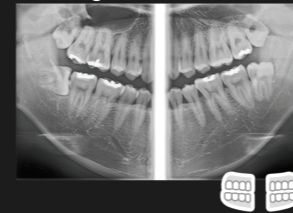
Sinus



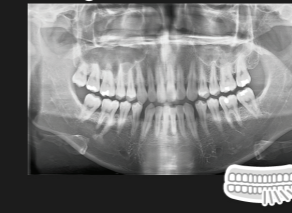
Children



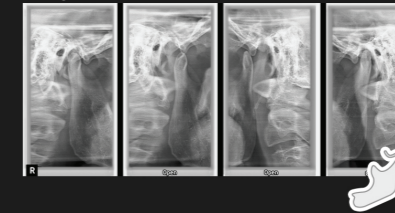
Bitewing



Orthogonal



TMJ



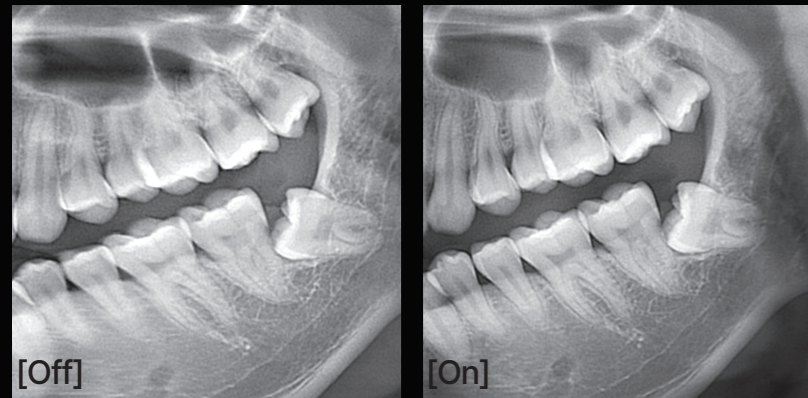
Pulsed X-ray

Radiation dose is reduced through cycling off the generator during data transfer from the sensor. Operation of pulsed X-ray needs high frequency of generator. RAYSCAN α is designed to implement over 100 kHz for the operation of pulsed X-ray

Excellent Image Quality

AMT (Adaptive Moving Focus)

RAYSCAN α utilizes Adaptive Moving Focus Technology to configure the panoramic image layer and optimize the signal to noise ratio(SNR) to produce high quality images.



Denoising

Proprietary noise reduction technology enhances image quality.



ATCT (Adaptive Tube Cooling Time)

Continuous acquisition without forced cooling prevents image downgrading

Auto Alignment

All alignment components are automatically re-positioned

Minimized Preparation Time

Provides psychological stability of the patient, reducing moving artifact of images

Wireless Remote Control

Easy positioning system



2D Imaging Software

Key Features

- Integrated dental image management
- Touch environment considered simple UI
- 16 bits full imaging system with DICOM 3.0
- Supports TWAIN-compliant input devices



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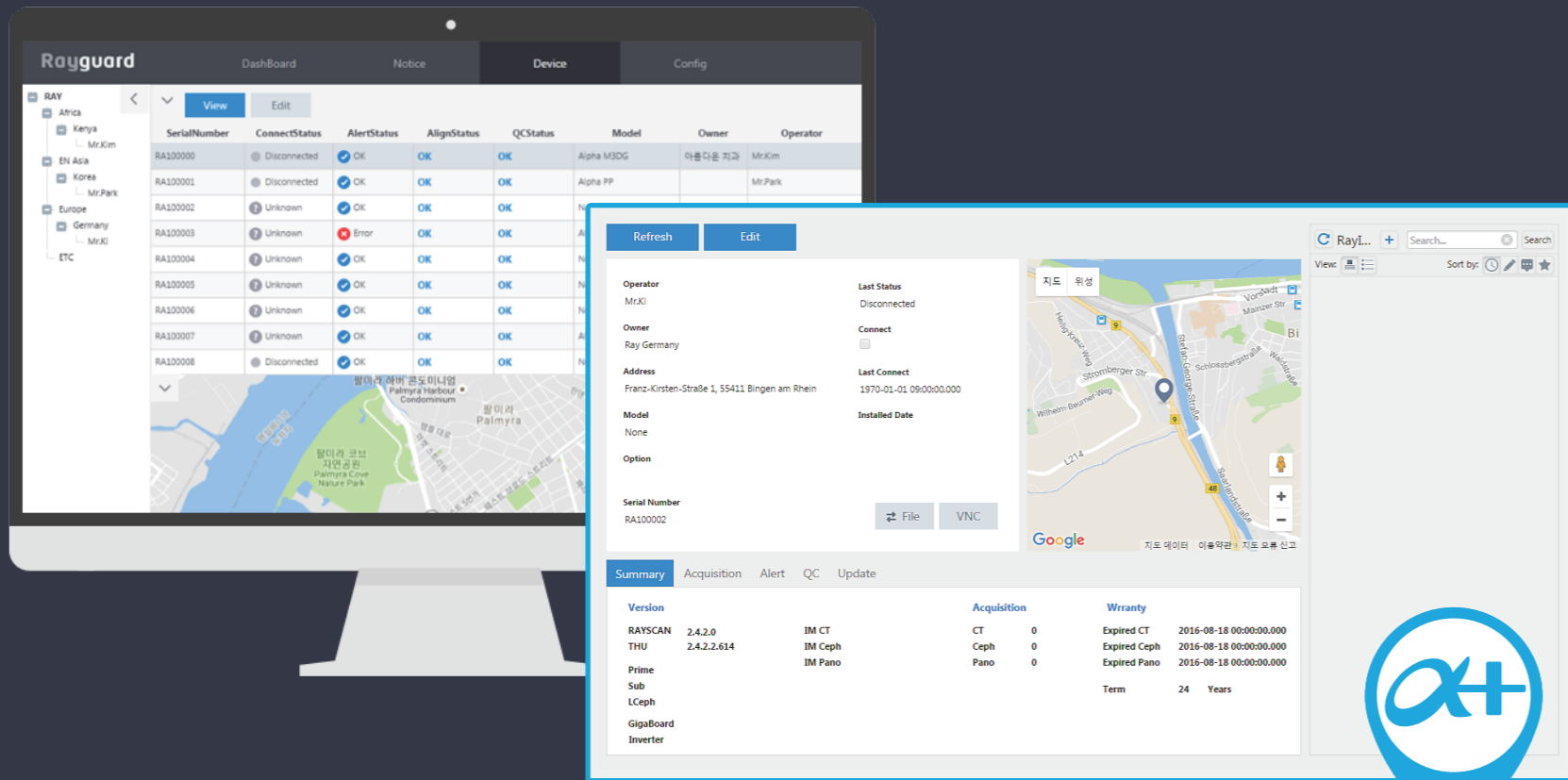
All patient positioning can be controlled by wireless remote control

Be comfortable, with Ray

'RAYGuard' is an Excellent Support System

24/7 monitoring system

- We monitor all of our installed X-ray units using an advanced IOT system called RAYGuard.
- RAYGuard's 24/7 monitoring support significantly reduces the time required to address detected issues.
- By proactively equipping the support team, it minimizes the need for multiple visits to resolve the same issue, enabling more efficient resolution.



Specifications

Type	Panoramic, Cephalometric
Patient Positioning	Standing (Wheelchair accessible)
Focal Spot	0.5 mm
Tube Current	4~17 mA
Tube Voltage	60~90kV

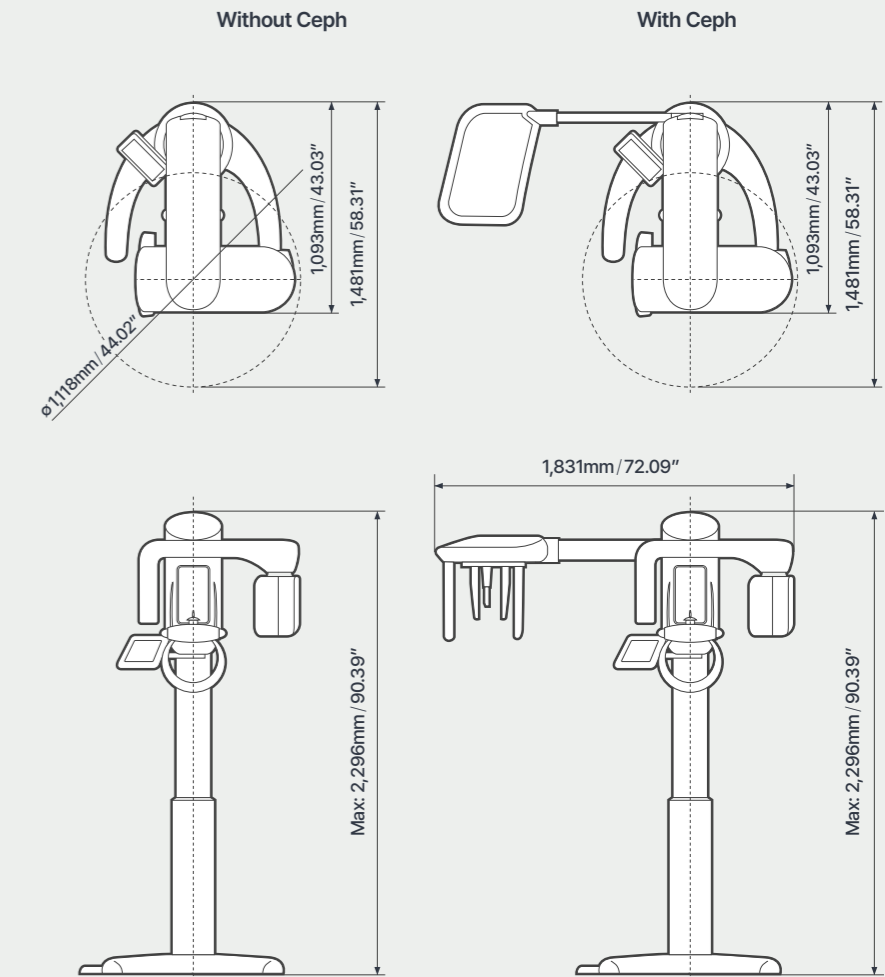
Panoramic

Image Size	Max. 15(H)cm
Exposure Time	Child: ~ 2s Adult: ~ 4s

Cephalometric (Option)

Type & Scan Time	SC (Scanning Ceph) Child: ~ 20s Adult: ~ 20s OCS (One-Shot Ceph) Child: ~ 2s Adult: ~ 2s
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Dimensions

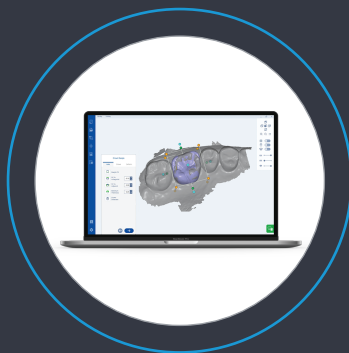


FACE FORWARD

With RAY's FACE-DRIVEN DENTISTRY, you're not just adapting to the digital era-
you're leading it. Elevate your practice by embracing our three core pillars:
SCAN, DESIGN, MAKE.



SCAN



DESIGN



MAKE

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