BEGIN THE TRANSFORMATION
OF YOUR PRACTICE

Ray

RAYQuantum

Tailored Solutions for Those on a Path to Transform into a New Era of 3D

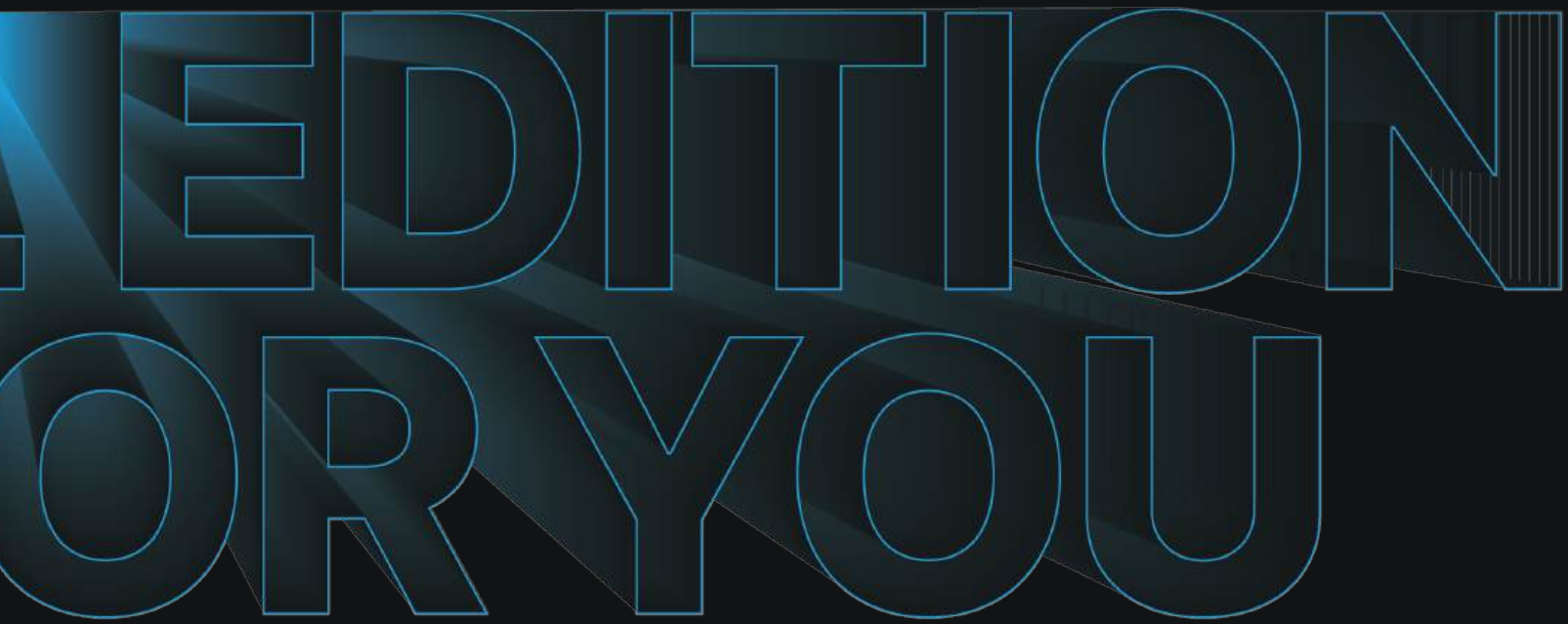
FACE-DRIVEN SOLUTIONS TO KEEP YOU AHEAD OF THE CURVE

GENEROUS 16X10 FOV, EASY-TO-USE, WITH GREAT VALUE

FACE-DRIVEN SOLUTION

Transitioning to 3D has never been easier. Capture the full spectrum of facial and dental anatomy with advanced technology designed to deliver personalized, aesthetically pleasing treatment outcomes. Our comprehensive imaging technology minimizes radiation exposure, elevating care while keeping it simple. This affordable and powerful tool transforms your practice and enhances lives.

3D Face Scanner • CBCT • Intraoral Scanner



RAYQuantum

RAYQuantum's expanded 16×10 FOV captures more detail in a single scan, enabling precise diagnoses and comprehensive treatment planning.
With high-resolution imaging and fast reconstruction times, it enhances both clinical confidence and workflow efficiency, leading to improved patient care and practice performance.

Extended Field of View

FOV 16×10 max.

Predefind FOV

Implantology, Periodontics,Orthodontics, Dual TMJ analysis, Sinus & airway analysis

High Resolution

150 μm
FOV 10×10

200 μm
FOV 16×10

Accurate diagnostic decisions in implant and orthodontic

Face to Face Positioning

Accurate
Patient Positioning

Simplified, patient-friendly design for a seamless experience

Rapid Reconstruction Time

~7 sec

Jaw High Resolution Scan

Ability to quickly review CT images and dramatically cut down on chair time

Expand your vision

RAYQuantum can effectively capture all essential anatomical regions in various diagnostic scenarios with its expanded Field of View (FOV) of 16×10.

16 diameter

10 height

16 diameter

With a diameter of up to 16cm, offers an expanded field of view, allowing for comprehensive examination of full dentition, third molars, dual TMJ, airway, and cervical spine.

Full dentition

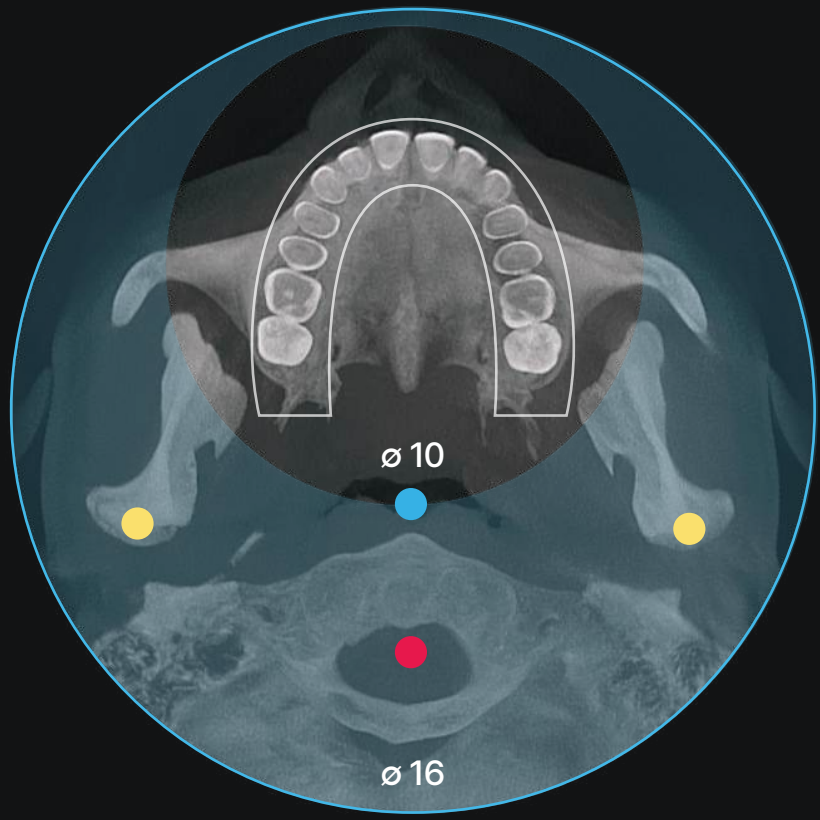
Dual TMJ

Competitors

Airway

RAYQuantum

Cervical spine

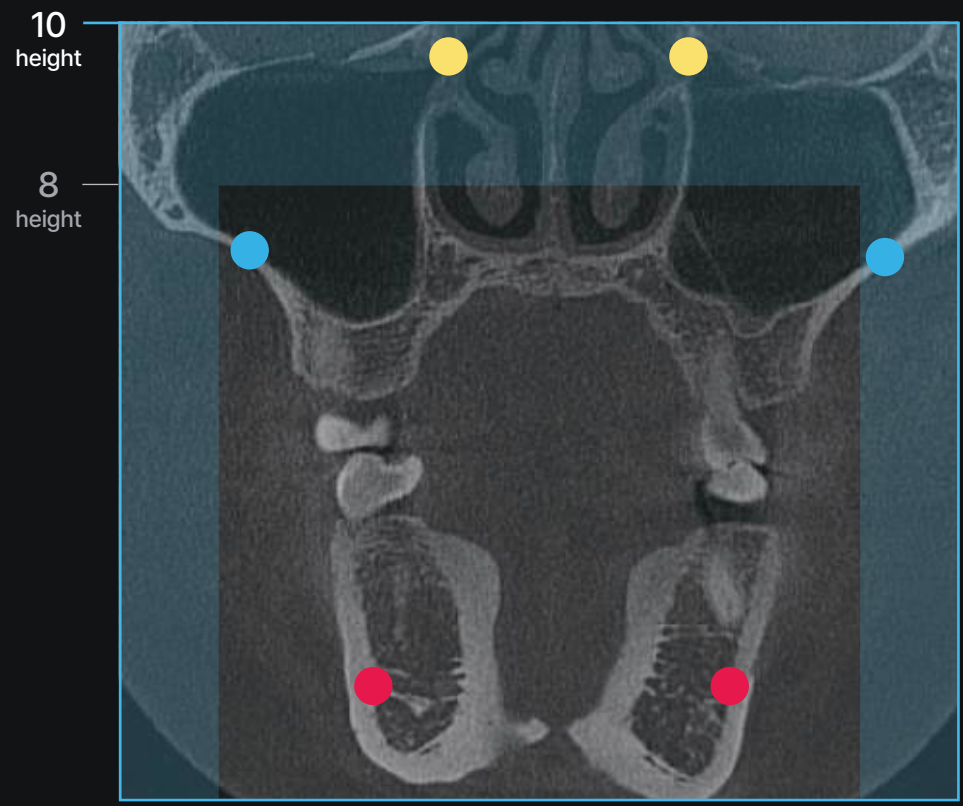


For Implantology & Orthodontics

- Surgical planning and surgical guide fabrication
- Molar extraction • Treatment planning for impactions
- Airway and dual TMJ analysis

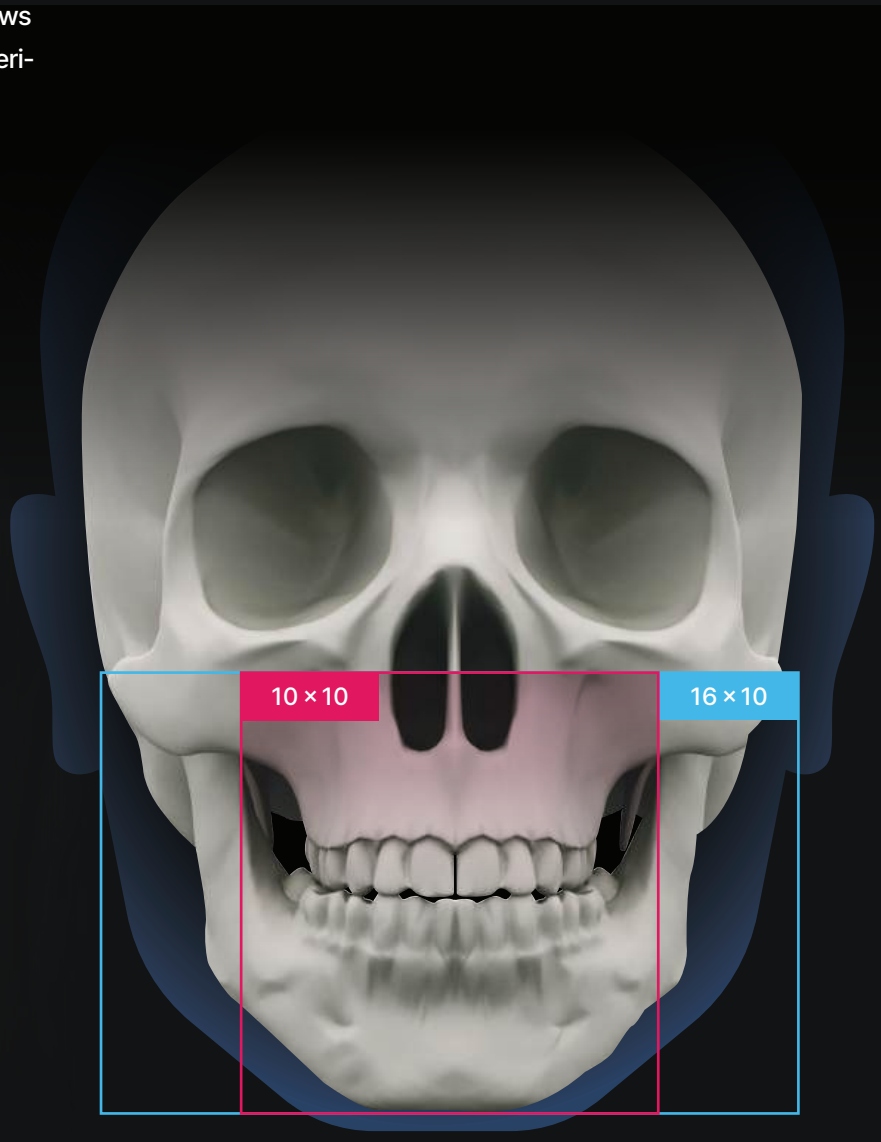
10 height

The FOV height is up to 10cm, which allows for a comprehensive examination of the inferior alveolar nerve, full dentition, maxillary sinus, sinus artery, and ostium in a single scan under the chin. This feature is highly beneficial for maxillary and mandibular implant treatment and is a practical surgical guide. In orthodontic treatment, this technology can examine deeply impacted teeth and supernumerary teeth.



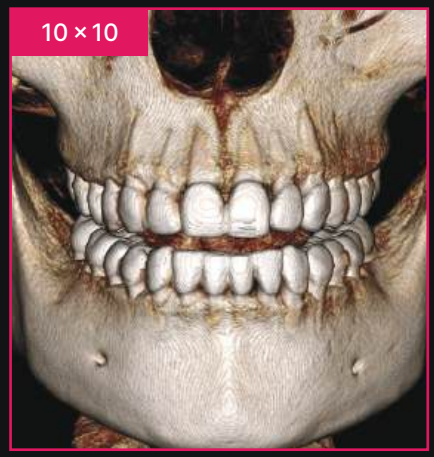
Intuitive Pre-Set FOV

RAYQuantum's 16×10 FOV provides precise imaging for implants, periodontics, and orthodontics at an unparalleled price point. It simplifies workflows with intuitive pre-set options, minimizing clicks and enhancing user experience for efficient care.



Tackle More Dentistry

- Implantology • All-on-X implant planning • Orthodontics
- Complex impactions • Dual TMJ • Sinus and airway analyses



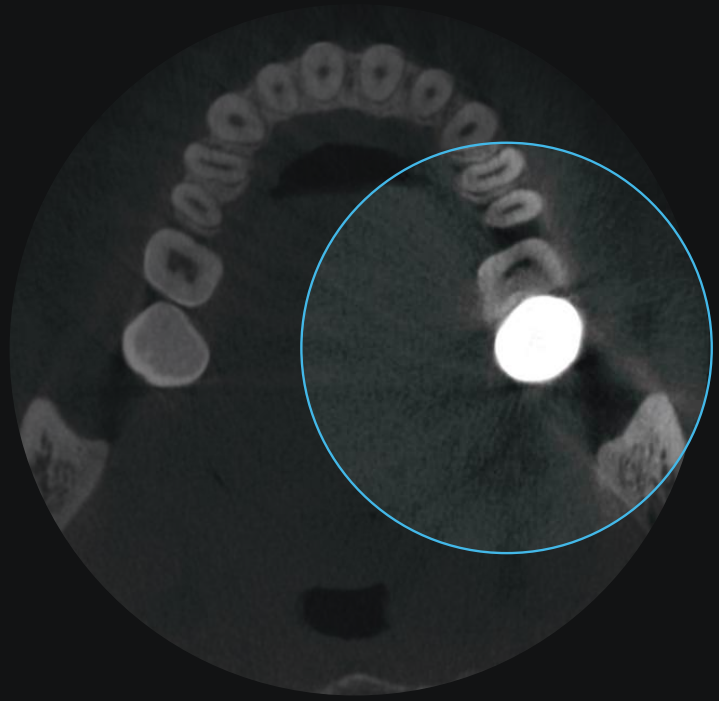
High Definition Imaging

RAYQuantum's advanced technology accurately represents metallic artifacts, reduces scatter, and minimizes noise, ensuring more accurate diagnoses and treatment planning, all while enhancing workflow efficiency with intuitive, preset options.

Metal Artifact Reduction

RAYQuantum is a CBCT with MAR technology that reduces metal artifacts, resulting in more precise and reliable imaging, facilitating accurate diagnosis and treatment planning.

MAR Off

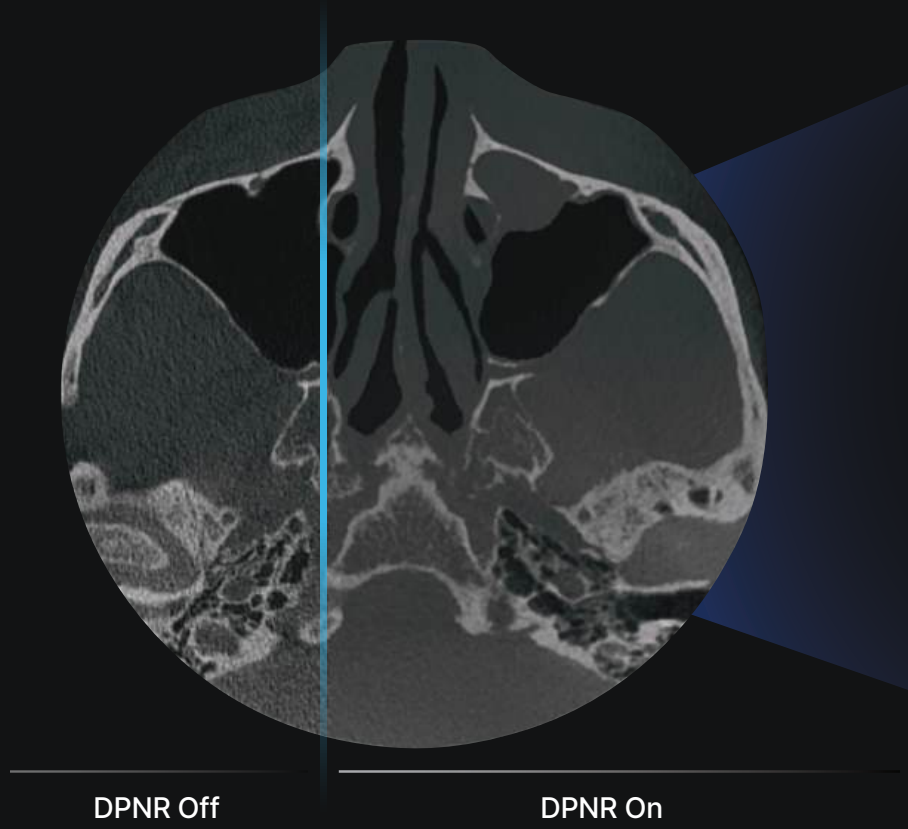


MAR On

Minimizes Noise for Clear Anatomy & Accurate Diagnosis

Noise Reduction for Sinus and TMJ

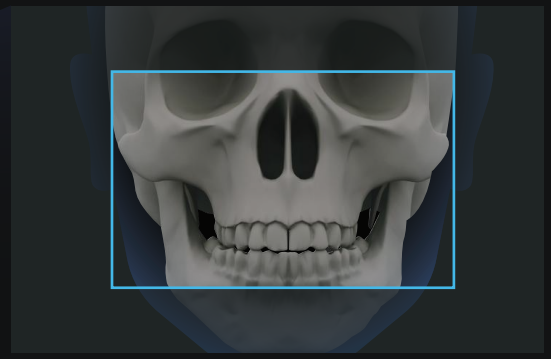
Low-dose CBCT may produce noise, but RAYQuantum's DPNR technology effectively reduces it, resulting in clearer visualization of anatomical structures and facilitating image interpretation and analysis.



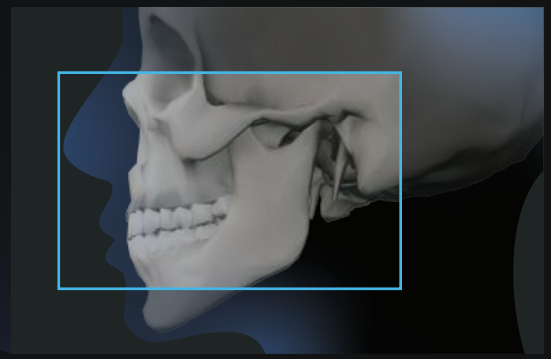
DPNR Off

DPNR On

Sinus Mode



TMJ Mode



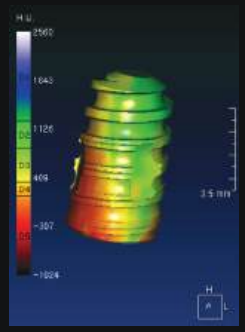
DPNR: Detail Preserving Noise Reduction

High Definition Imaging

Experience superior image clarity and precision with RAYQuantum. Specially designed for implant procedures, our 150-micron high-resolution imaging ensures precise diagnostic results.

Implant

FOV 10×10cm, 150μm



For Implants and Orthodontics

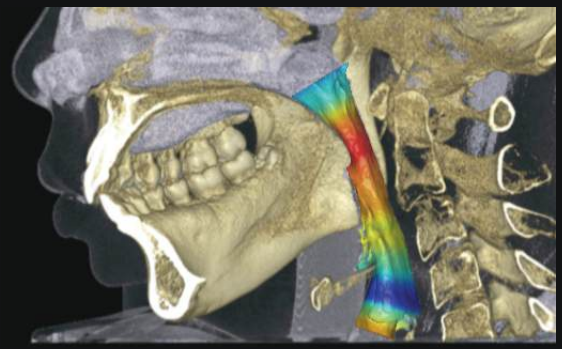
FOV 10×10cm

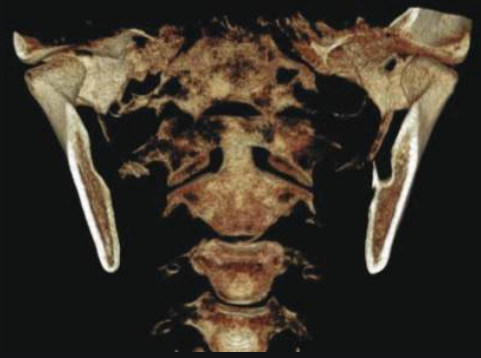
150 µm

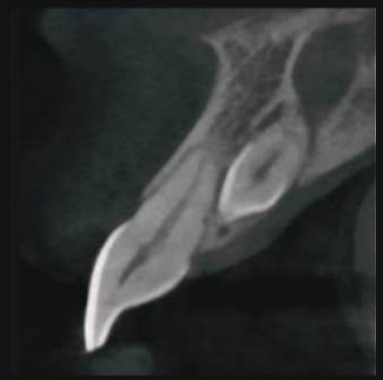
FOV (cm)	Voxel size (mm)
16×10	0.2
10×10	0.15

Orthodontic

FOV 16×10cm, 200µm







Face to Face positioning

When we position patients face-to-face, it not only ensures their comfort but also allows for direct eye contact and real-time communication. This approach leads to precise alignment and accurate imaging, ultimately enhancing the overall patient experience.

Face to Face Positioning Delivers Precise Alignment and Comfort

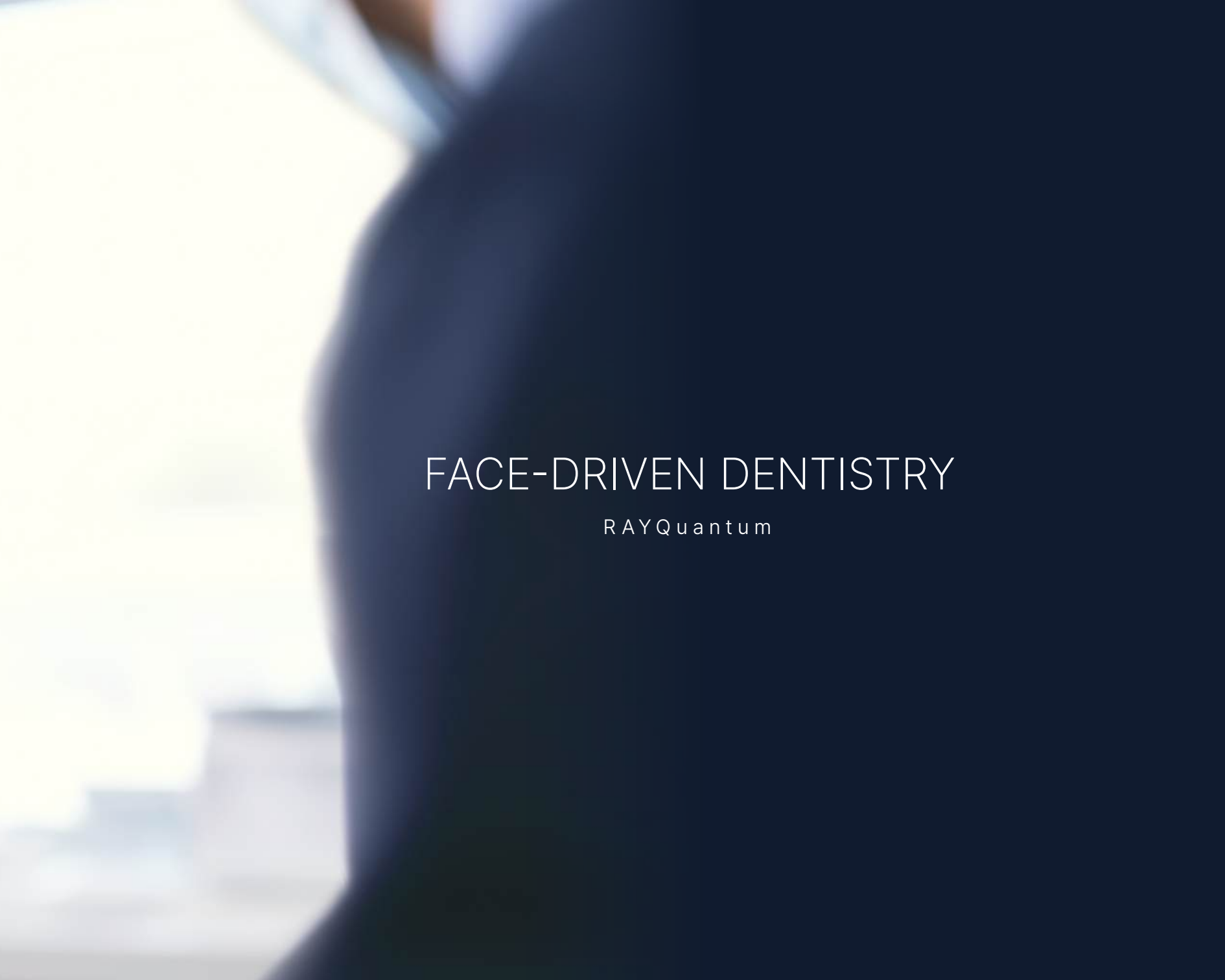
Rapid Reconstruction Time

RAYQuantum provides rapid and precise image reconstruction, enabling clinicians to examine CT scans in just 7 seconds. This leads to reduced wait times for patients and expedited treatment planning processes.

Significantly Reduces Chair Time

7 sec
Jaw High Resolution Reconstruction Time

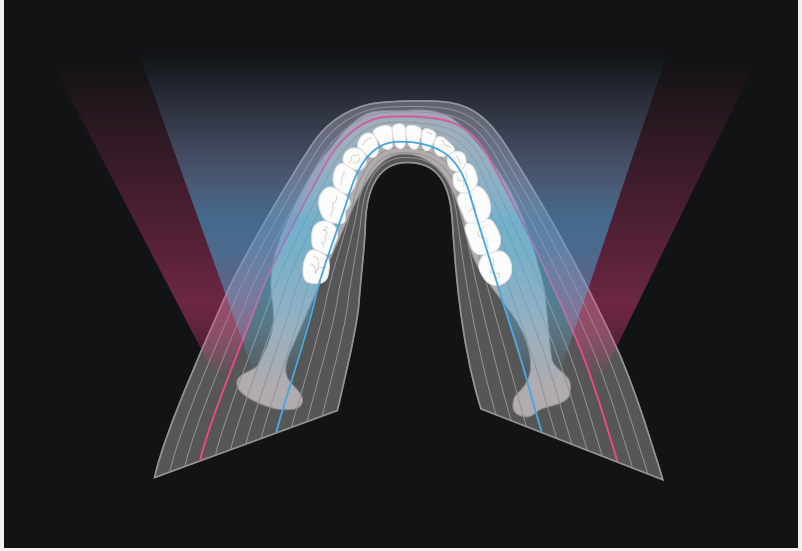
1.5 sec
Jaw Low Dose Reconstruction Time


FACE-DRIVEN DENTISTRY
RAYQuantum

Clear Panorama

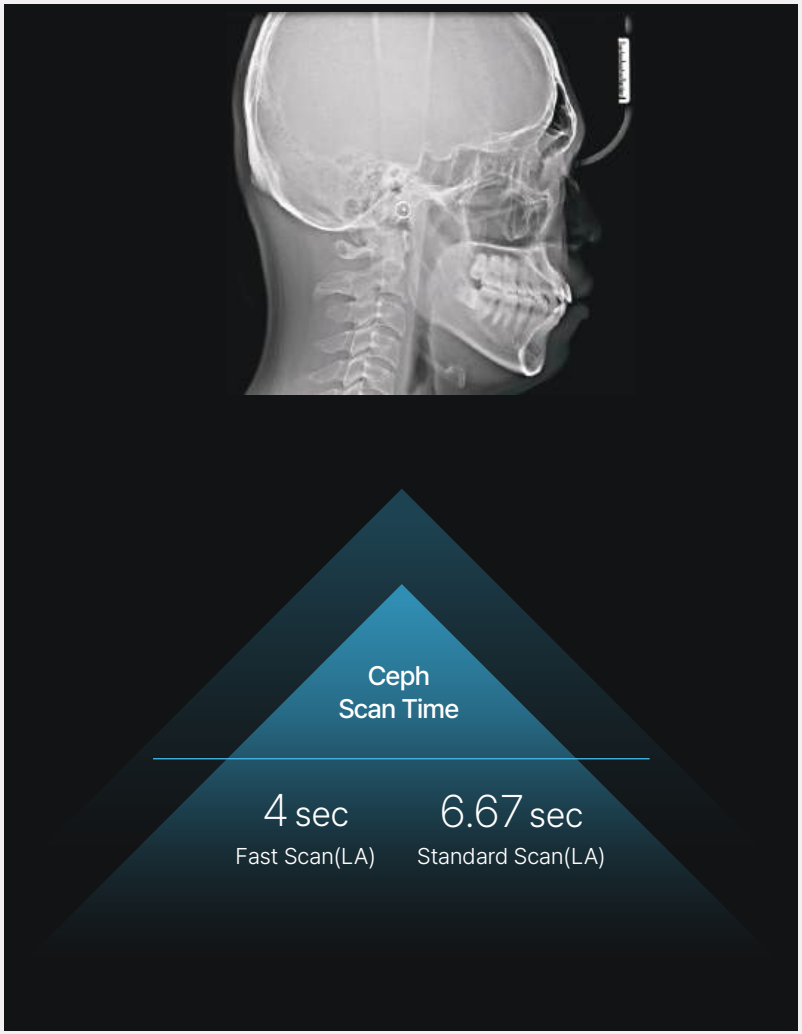
· AMF (Adaptive Moving Focus) technology selects the optimal image layer to provide clear panoramic images, making it easy to identify the patient's periodontal condition and lesion location.

The state of the art technology for high-definition image quality



Clear cephalometric

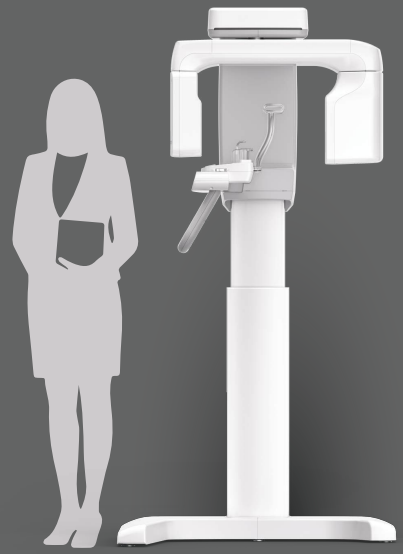
· For optimal imaging, a fast scan takes just 4 seconds, while a standard scan takes only 6.67 seconds, minimizing patient motion blur.



Compact unit size

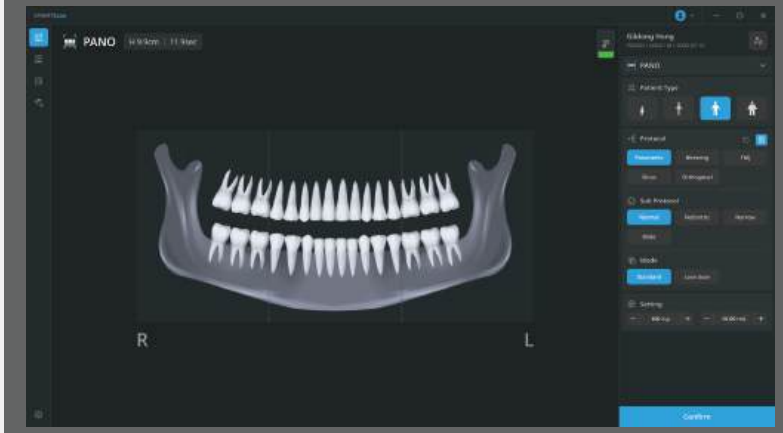
· With its compact design, the RAYQuantum can be efficiently arranged in a small X-ray room, and its streamlined workflow minimizes patient movement, ensuring a more comfortable imaging experience.

Without Ceph	With Ceph
1067 (W) X 1158 (D) X 2288 (H) (mm)	1856 (W) X 1158 (D) X 2288 (H) (mm)



Intuitive Functionality

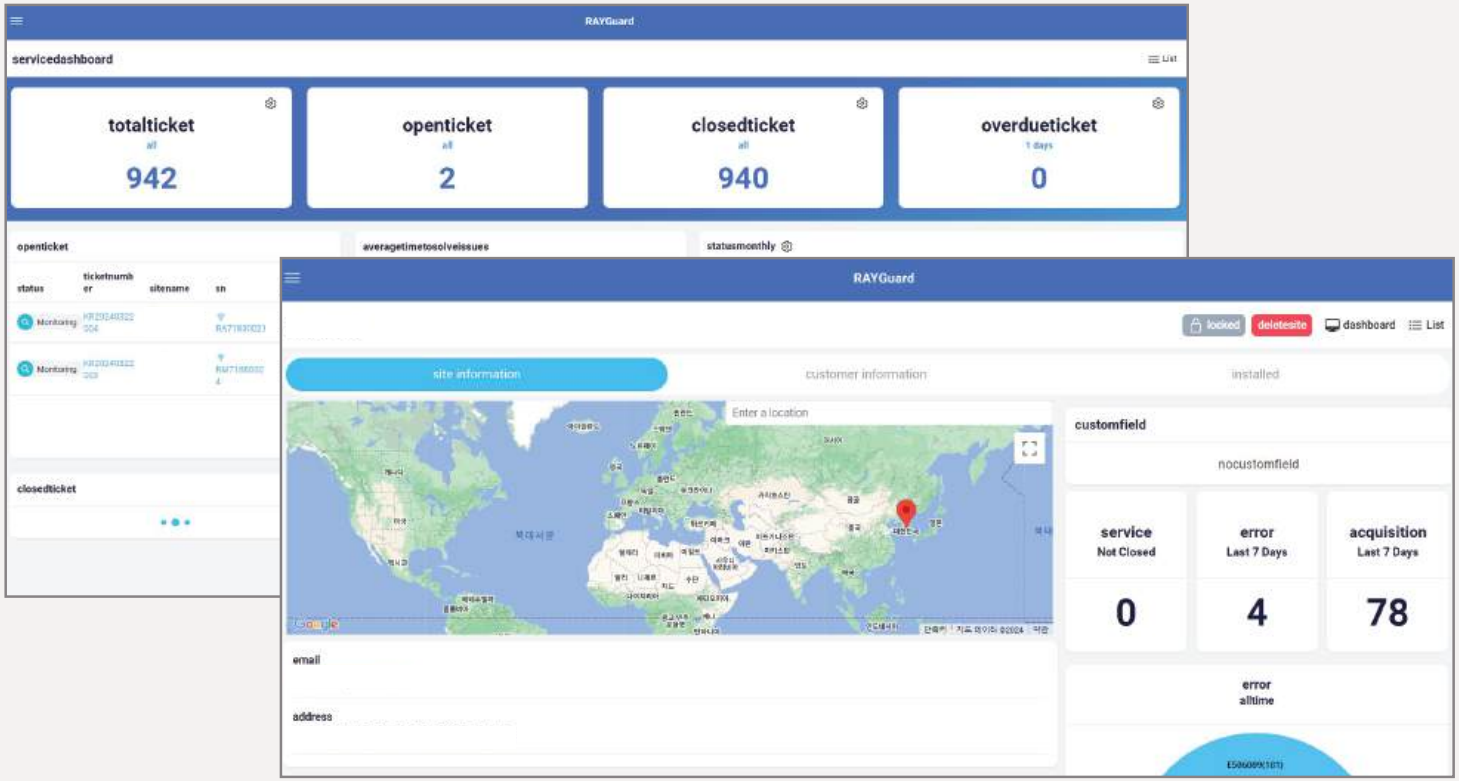
· The dark mode design improves X-ray readability with a sleek, intuitive interface, making it easier for all users to achieve high quality results.



'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	Cone Beam CT, Panoramic, Cephalometric,
Patient Positioning	Standing(Wheelchair accessible)
Focal Spot	0.5mm
Tube Current	1~17mA
Tube Voltage	60~100kV

CBCT

FOV Size	Max. 16×10(H) cm
Scan Time	4~14sec
Voxel Size	150~300μm
Fast Scan Mode	Yes

Panoramic

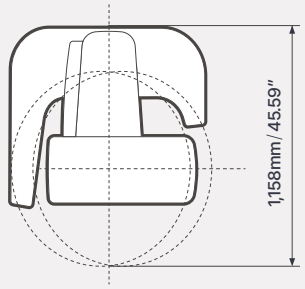
Image Size	Max. 10.6(H)cm

Cephalometric (Option)

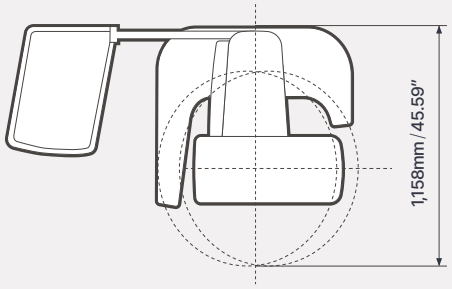
Type & Scan Time	SC(Scan Ceph) Min. 4.0sec

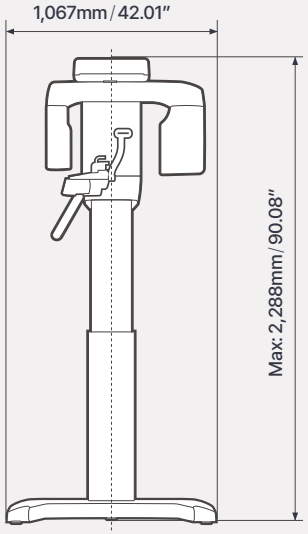
Dimensions

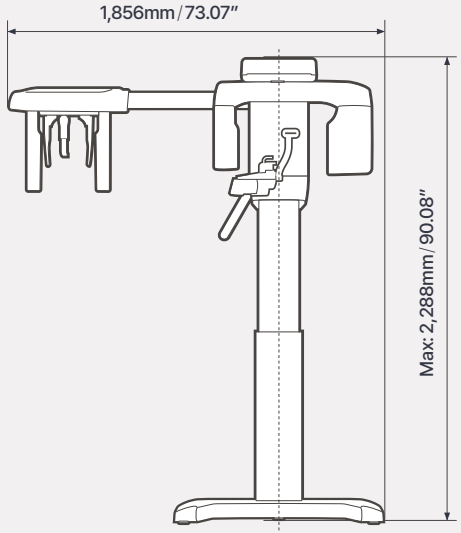
Without Ceph



With Ceph







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