

Ray America



RAY Quantum

Tailored Solutions for Those Who Pursue Professionalism and Sophistication

RAYQuantum

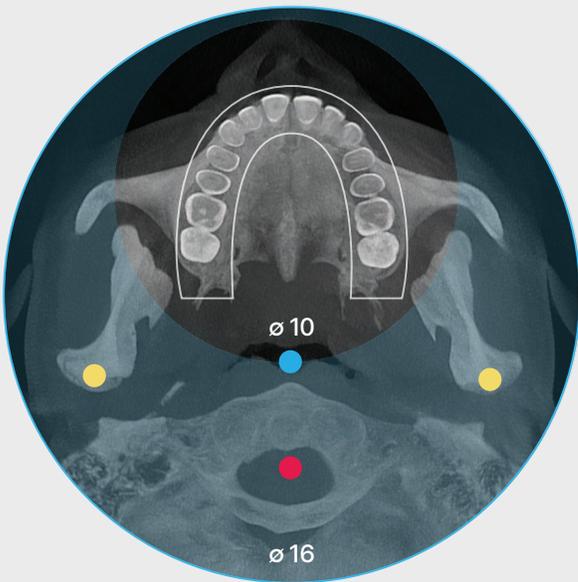
RAYQuantum provides a comprehensive clinical perspective with its expanded Field of View (FOV) of 16×10, ensuring confident diagnoses and treatment planning.

Extended Field of View

RAYQuantum offers an expansive 16×10 max Field of View, complemented by predefined FOV options for quick and easy selection of the scanning area, ensuring clear capture of essential anatomical structures to meet diverse diagnostic requirements.



16 diameter
10 height



16 diameter

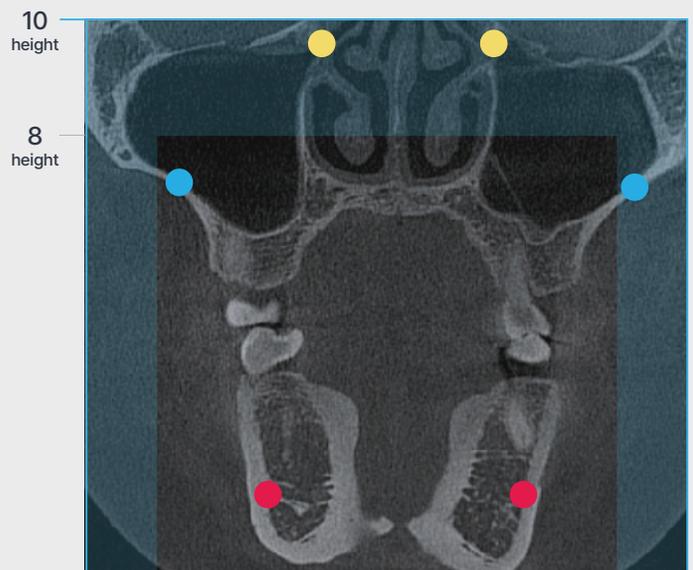
The system provides an expanded field of view, up to 16cm in diameter, allowing for comprehensive examination of full dentition, third molars, dual TMJ, airway, and cervical spine.

- Full dentition 
- Dual TMJ 
- Airway 
- RAYQuantum 
- Cervical spine 

10 height

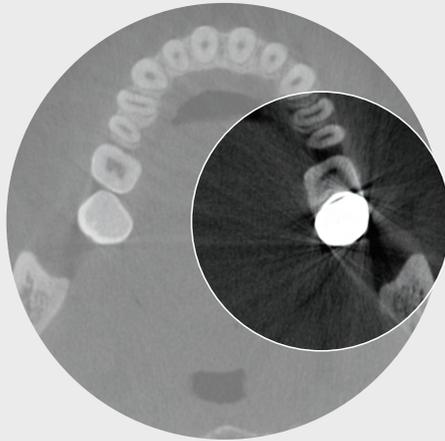
The FOV height is up to 10cm, enabling comprehensive examination of the inferior alveolar nerve, full dentition, maxillary sinus, sinus artery, and ostium in a single scan under the chin. This feature is highly beneficial for maxillary and mandibular implant treatment. In orthodontic treatment, this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

- Ostium 
- Sinus artery 
- RAYQuantum 
- Mandibular nerve canal 

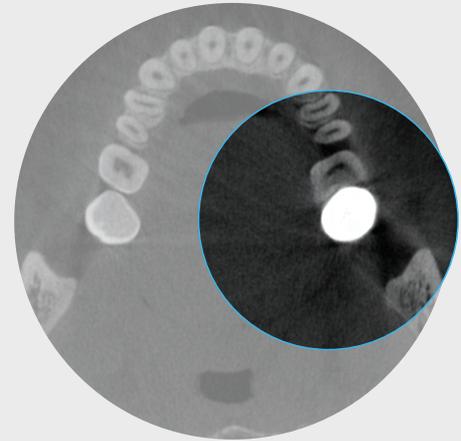


Metal Artifact Reduction [MAR]

RAYQuantum uses MAR technology to reduce metal artifacts, resulting in more precise and reliable imaging for accurate diagnosis and treatment planning.



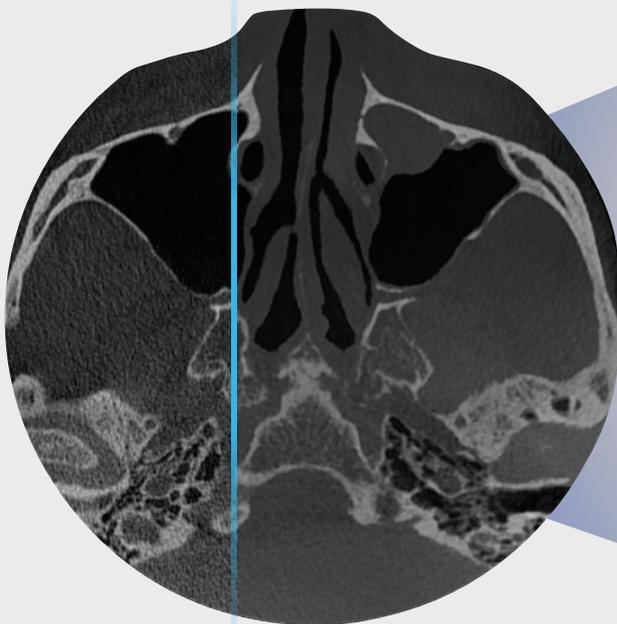
MAR Off



MAR On

Detail Preserving Noise Reduction [DPNR]

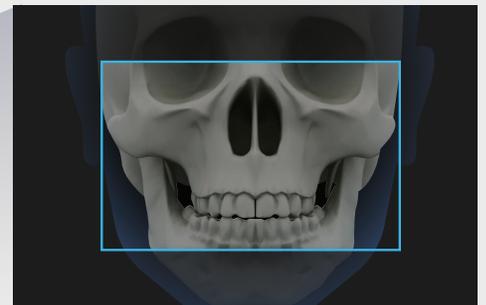
RAYQuantum's DPNR technology effectively reduces CBCT noise, enhancing the clarity of anatomical structures and simplifying interpretation and analysis.



DPNR Off

DPNR On

Sinus Mode



TMJ Mode



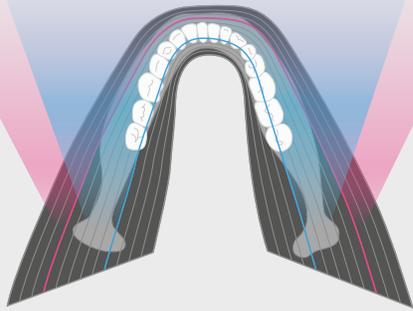
DPNR: Detail Preserving Noise Reduction

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 lesions.



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.

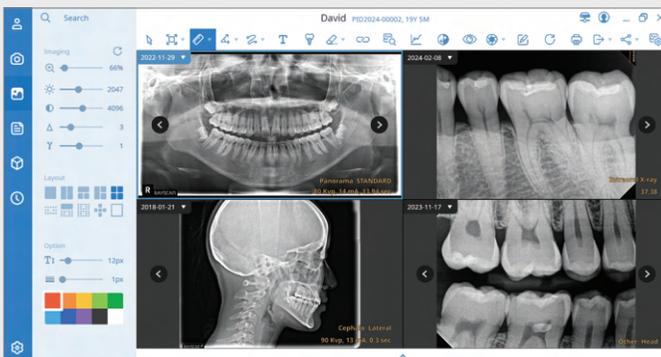


Ceph
Scan Time

4 sec	6.67 sec
Fast Scan(LA)	Standard Scan(LA)

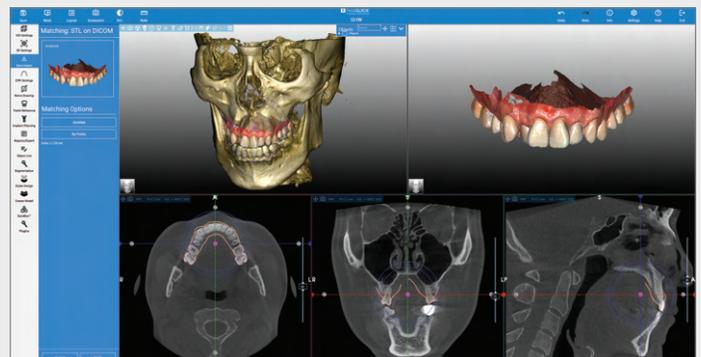
2D Imaging Software

This dental imaging software combines integrated image management with implant/canal simulation tools and robust search functions (ID, name, date, modality).



3D Imaging Software

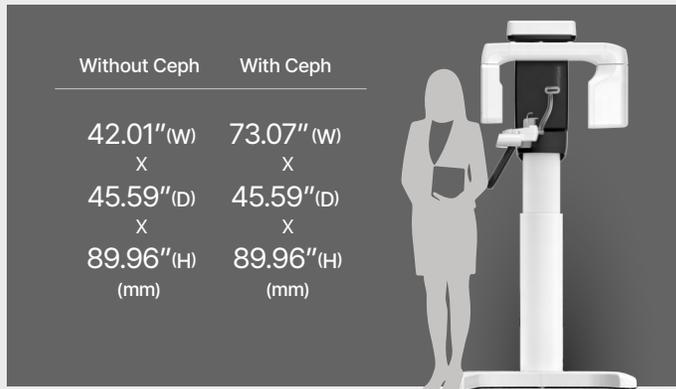
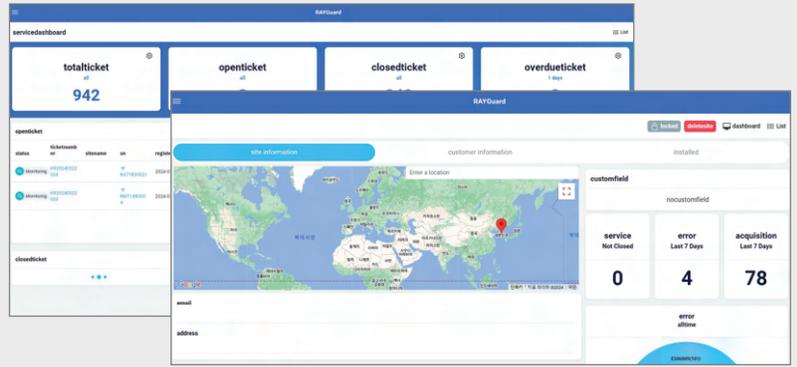
This dental software features an intuitive interface, comprehensive analysis tools, and multiple viewing modes. It simplifies implant simulation and delivers high-resolution 3D imaging for precise planning.



RAYGuard 24/7 Monitoring System

We monitor all of our installed X-ray units using an advanced IoT system called RAYGuard.

Our 24/7 monitoring system minimizes the need for multiple visits to resolve the same issue, enabling more efficient resolution.



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.

Significantly Reduces Chair Time

7 sec

Jaw High-Resolution Reconstruction Time

1.5 sec

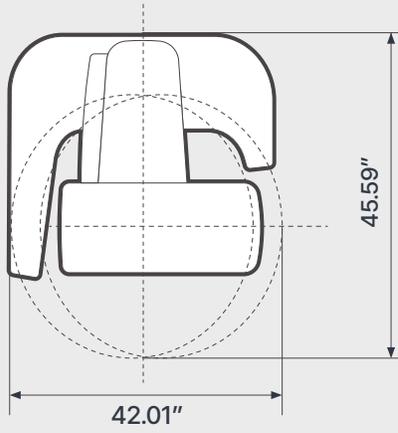
Jaw Low-Dose Reconstruction Time



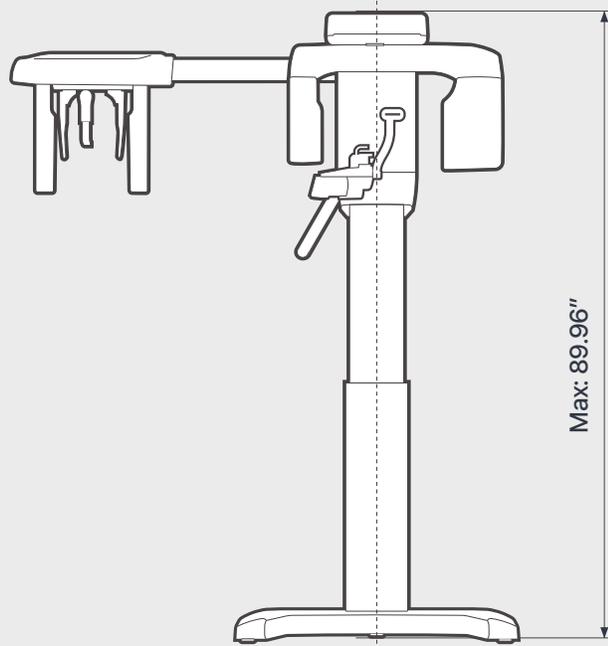
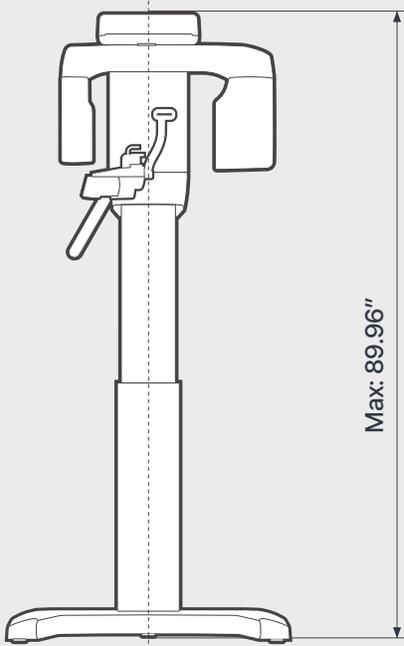
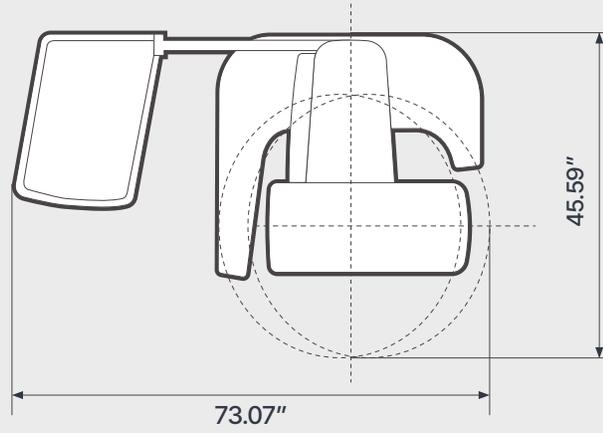
5-Year All Parts Warranty

RAYQuantum comes with a 5-year all parts warranty.

Without Ceph



With Ceph



Specifications

Cone Beam CT,
Panoramic, Cephalometric,
Standing(Wheelchair accessible)
0.5mm
1~17mA
60~100kV

CBCT

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

Cephalometric (Option)

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

Scan Time	Max. 13. 51sec
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