





**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<sub>height</sub>



## 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.



# 10 height 8 height

## 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.



RAYQuantum

#### 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.



#### Detail Preserving Noise Reduction [DPNR]

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



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.



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

1.5 sec

Jaw Low-Dose

Reconstruction

Time

7 sec

Jaw High-Resolution Reconstruction Time



**5-Year All Parts Warranty** RAYQuantum comes with a 5-year all parts warranty.











## **Specifications**

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

#### **Cephalometric (Option)**

Type & Scan Time

SC (Scan Ceph) Min. 4.0sec

#### FOV Size

СВСТ

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

Max: 89.96"

#### Panoramic

Scan Time

Max. 13. 51sec



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