### ILUMA® CBCT Scanner Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Acquisition</td>
<td>Cone beam tomography geometry - single 360° rotation</td>
</tr>
<tr>
<td>Scan Time</td>
<td>Variable scan times between 20 – 40 seconds in a single 360° rotation and 7.8 seconds in a single 190° rotation</td>
</tr>
<tr>
<td>Patient Position</td>
<td>Seated with rear head stabilization and chin support</td>
</tr>
<tr>
<td>Reconstruction Type</td>
<td>3D</td>
</tr>
<tr>
<td>Reconstruction Time</td>
<td>2 minutes or greater, depending on volume &amp; resolution to be constructed</td>
</tr>
<tr>
<td>System Footprint</td>
<td>42” x 56”</td>
</tr>
<tr>
<td>System Weight</td>
<td>350 kg (770 lbs)</td>
</tr>
<tr>
<td>Recommended Room Size</td>
<td>8’ x 8’ x 8’ (l x w x h)</td>
</tr>
<tr>
<td>Minimum Room Size</td>
<td>6’ x 7’ x 8’ (l x w x h)</td>
</tr>
</tbody>
</table>

### ILUMA® CBCT Scanner Dimensions/Footprint

The ILUMA CBCT Scanner is delivered as a complete package including software, computer, dual monitors, installation, training, warranty and 3 or 5 year warranty.

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**ILUMA® CBCT Scanner Dimensions/Footprint**

The ILUMA CBCT Scanner is delivered as a complete package including software, computer, dual monitors, installation, training, warranty and 3 or 5 year warranty.
The All-in-One Radiographic Machine

The ILUMA® CBCT Scanner provides all the necessary information to diagnose and treat patients with better resolution than ever before, using the latest generation in Cone Beam Computed Tomography to produce advanced state-of-the-art images. When using the ILUMA CBCT Scanner, clinicians have the accurate anatomic information to plan treatment procedures from multiple reconstructions or patient data. The ILUMA CBCT Scanner delivers extremely accurate images in as little as two seconds with images comparable to medical CTs with much less radiation dose.

IMTEC’s ILUMA CBCT Scanner is a compact scanner designed for use in imaging centers, dental, medical offices, and hospitals and universities around the world.

- Orthodontic, Maxillofacial and oral implants
- Patient/Study database
- Full volume or volume of interest rendering
- Ultra-thin CT scans (with a resolution as high as 0.09 mm)
- 3D volume and 4D navigable images
- Extends to 21.4 cm x 14.3 cm (cylindrical) volume of reconstruction
- Amorphous Silicon flat panel sensor plates
- Treatment planning software: ILUMAVision
- Full Volume Rendering, Surface rendering, Nerve Tracing
- Powerful segmentation tools
- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
- PACS interface

Key Features of ILUMA® CBCT Scanner

| Feature Description                                      | Medical | Dental | Orthodontic
|---------------------------------------------------------|---------|--------|------------
| Workstation Availability                                 | x       | x      | x
| ILUMAView SD                                            | x       | x      | x
| High-performance reconstructor                          | x       | x      | x
| Increased Storage Capacity                               | x       | x      | x
| ILUMAVision Elite Package                               | x       | x      | x
| Surface rendering, Nerve Tracing, Full Volume Rendering  | x       | x      | x
| Temporomandibular Joint Imaging                         | x       | x      | x
| Panoramic with Nerve Mapping                            | x       | x      | x
| Panoramic (using 2D and 3D render)                      | x       | x      | x
| Multiple User Network Licensing                         | x       | x      | x
| PACS Interface                                           | x       | x      | x

ILUMA Elite CBCT Scanner

The ILUMA Elite CBCT Scanner offers faster image reconstruction than ever before, the clear advantage for a practice means higher patient throughput and more efficient treatment planning. Quality of data generated by the Elite is another benefit for growing a prosperous, reputable practice. The Elite is an integral tool for a clinician’s success.

Increased Storage Capacity

- Offers up to 21.1 cm x 14.2 cm (cylindrical) Volume of Reconstruction
- Amorphous Silicon Flat Panel Sensor Plates
- Treatment planning software: ILUMAVision
- Full Volume Rendering, Surface rendering, Nerve Tracing
- Powerful segmentation tools
- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
- PACS interface

DICOM Capture (image collection)

- PACS Interface
- DICOM Read (Non ILUMA)
- DICOM Write (CT - dataset)
- DICOM Capture (image collection)

DICOM Read (ILUMA)

- Power Segmentation tools
- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
- PACS interface

DICOM Write (CT - dataset)

- Power Segmentation tools
- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
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DICOM Read (Non ILUMA)

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- Export to DICOM 3 (compatible with 3rd party software and systems)
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- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
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DICOM Capture (image collection)

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- Measurement tools
- Export to DICOM 3 (compatible with 3rd party software and systems)
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DigiGuide™ MDI Software

Features of DigiGuide™ MDI Software include the ability to map the inferior alveolar nerve. The software also provides a panoramic view, a feature necessary for evaluating the orientation and thickness of an existing dental implant. The software also provides the ability to evaluate the orientation and thickness of an existing dental implant at any location in the arch, as well as to more accurately map the inferior alveolar nerve for surgical planning. This leads to more informed surgical planning and surgical imaging which results in simpler, safer, and quicker dental procedures as well as fewer complications when retrofitting an existing denture.

Information at your fingertips

The ILUMA® CBCT Scanner simplifies the process of evaluating treatment planning and achieves successful treatment procedures. Obtaining images powered by a unique technology to reduce the likelihood of a proposed treatment plan being accepted by the patient. All rendering can occur at the clinician’s office making the information readily available.

Service & Technical Support

IMTEC’s Technical Support Team is committed to delivering outstanding service. Because IMTEC promises support when you need it, after hours support is available at no additional cost. Certified technical interns are also available for situations that can not be resolved over the telephone. For more customer service and technical support information please contact us at 800-879-9799 or 580-223-4456 www.ilumact.com