

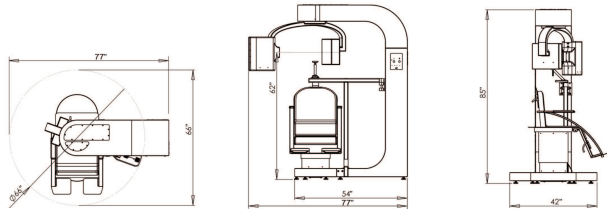
## ILUMA® CBCT Scanner Specifications

ILUMA CBCT Scanner	ILUMA LFOV	ILUMA SFOV
Plate Dimensions:	24.4 x 19.5cm - horizontal	13 x 13cm - horizontal
Volume of Reconstruction:	(cylindrical) up to 21.1 x 14.2cm	(cylindrical) up to 10.8 x 9.6cm
X-ray Source:	High Frequency, constant potential, 120 KVP, 1-3.8 mA	Same
Focal Spot:	0.3mm	Same
Image Detector:	Amorphous Silicon Flat Panel	Same
Pixel Pitch:	127 micron (0.005 inch)	Same
Software OS:	Windows XP Pro	Same
Workstation:	Quad Core Pentium 64 bit processor	Same
Gray Scale:	16 bit (16,384 gray scales)	Same
Voxel Size:	Selectable:	
	Standard - 0.4mm	Same
	Normal - 0.3mm	Same
	High - 0.2mm	Same
	Ultra High - 0.09mm	Same
Image Acquisition:	Cone beam tomography geometry - single 360° rotation	
Scan Time:	Variable scan times between 20 - 40 seconds in a single 360° rotation and 7.8 seconds in a single 190° rotation	
Patient Position:	Seated with rear head stabilization and chin support	
Reconstruction Type:	3D	
Reconstruction Time:	2 minutes or greater, depending on volume & resolution to be constructed	
System Footprint:	42" x 56"	
System Weight:	350 kg (770 lbs)	
Recommended Room Size:	8' x 8' x 8' (l x w x h)	
Minimum Room Size:	6' x 7' x 8' (l x w x h)	

Based on ILUMA Controller Software 2.5

## ILUMA® CBCT Scanner Dimensions/Footprint

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



IMTEC reserves the right to change specifications at any time, in order to improve product performance.

Orders and Customer Service: 800-879-9799 or 985-223-4100 Domestic Fax: 800-986-9574 or 580-223-4561 www.imtec.com  
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**ILUMA®**

ILUMA® CBCT Scanner  
Your Choice is CLEAR



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## The All-in-One Radiographic Machine

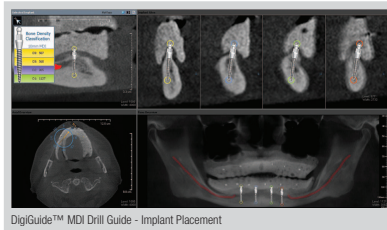


The ILUMA® CBCT Scanner provides all the necessary information to diagnose and treat patients with better resolution than ever before, using the latest generation in Cone Beam Computed Tomography to produce advanced state-of-the-art images. When using the ILUMA CBCT Scanner, clinicians have the accurate anatomic information to plan treatment procedures from multiple reconstructions of 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 doses.

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

- Orthodontic, Maxillofacial and ENT applications
- Patient/Study database
- Full Volume or Volume of Interest Rendering
- Ultra-thin CT slices (with a resolution as high as 0.09mm)
- Panoramic and 2D radiographic images
- Offers up to 21.1cm x 14.2cm (cylindrical) Volume of Reconstruction
- Amorphous Silicon Flat Panel Sensor Plates
- Treatment planning & simulation software: ILLUMAvision
- MIP, Mini IP, Faded Mip MPR Ray Sum Rendering
- Cross-sectional viewing
- Powerful Segmentation tools
- Inner Vision
- 1:1 scale images
- Report Generator
- Measurement tools
- Export to DICOM 3 (Compatible with 3rd Party software and systems)
- PACS interface

## DigiGuide™ MDI Drill Guide



Features of DigiGuide™ MDI Software include the ability to map the inferior alveolar nerve. The software also provides a panoramic X-ray for mesiodistal spacing evaluation and sagittal slices for evaluation of buccolingual width at any location in the arch. DigiGuide™ MDI also provides the ability to evaluate the orientation and thickness of an existing denture at any location in the arch. This leads to more informed case selection and surgical planning which results in simpler, safer and quicker MDI surgeries as well as fewer complications when retrofitting an existing denture.

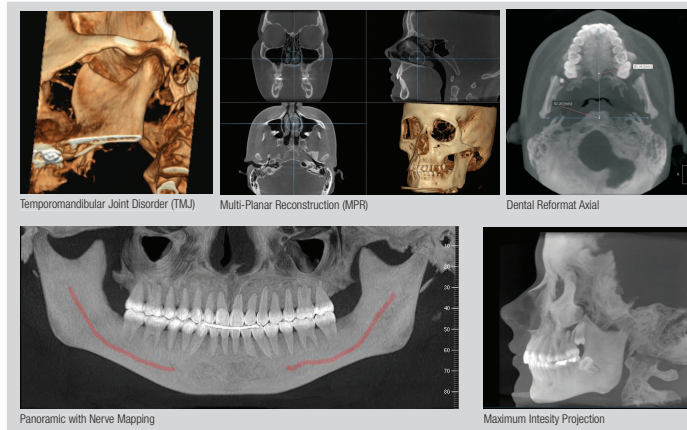
## Key Features of ILUMA® CBCT Scanner

ILUMA CBCT Scanner	Classic	Elite SFOV	Elite LFOV
Worklist Modality	x	x	x
ILLUMAvision CD	x	x	x
High Performance Reconstructor	x	x	x
Increased Storage Capacity	x	x	x
ILLUMAvision Elite Package	x	x	x
Small Field-of-View (SFOV)		x	
Large Field-of-View (LFOV)	x		x

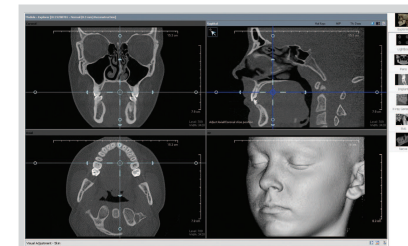
### ILUMA Elite CBCT Scanner

The ILUMA Elite CBCT Scanner offers faster image reconstruction than ever before. This clear advantage for a practice means higher patient throughput resulting in enhanced profitability. 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.

ILLUMAvision Features	Dental	Medical	Elite
Explorer	x	x	x
Lightbox	x	x	x
Nerve Tracing	x	x	x
Panoramic	x	x	x
X-ray Generator	x	x	x
Implant Planning	x	x	x
TMJ	x	x	x
Temporal Bone	x	x	x
Endoscope	x	x	x
DICOM Read (Non ILUMA)		x	x
DICOM Write (CT - dataset)		x	x
DICOM Capture (image collection)	x	x	x
Custom Reporting	x	x	x
Multiple User Network Licensing	x	x	x

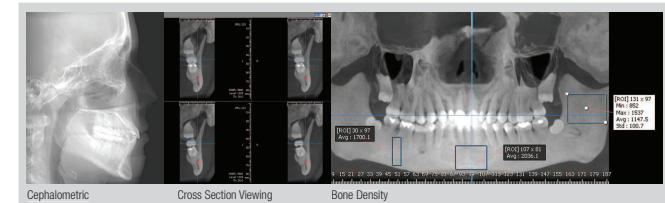


## Information at your fingertips



High Quality 3D Volume Rendering - Coronal, Axial and Sagittal

The ILUMA simplifies the process of evaluating treatment planning and achieving successful treatment procedures. Obtaining images powered by FlashCT® Technology in-office increases 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.



Cephalometric Cross Section Viewing Bone Density

## 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 field technicians are also available for situations that cannot be resolved over the telephone. For more customer service and technical support information please contact our offices at 800-879-9799 for more information.