

# CT SIM+™ with RapidSIM™ Software Movable Lasers for PET/ CT and CT Simulation

Make the intelligent choice for your patient marking workflow.

- Next-generation design from the laser alignment leader
- Easy to configure, install, use and maintain
- 2-year warranty included



## Introducing RapidSIM™

The RapidSIM interface makes the CT Simulation process easier than ever and includes our Complete Connectivity Suite of time-saving tools.



## Complete Connectivity Suite

### Touchscreen Control Monitor

- Control all laser functions of the patient marking workflow
- Automated no-touch patient setup
- No need for space-consuming keyboard or mouse controls
- Choose from bright or dark display options to reduce eye strain and effect of bright light sources in the imaging room

### Handheld Wireless Tablet

- Complete in-room control from the palm of your hand
- Wireless functionality for freedom and workflow efficiency
- Control the system from multiple devices (PC or tablet) for redundancy and peace of mind

### DICOM and Text File Interconnectivity

- Complies with DICOM radiation oncology standards
- Supports text file formats
- Supports all major CT Simulation packages and Treatment Planning Systems

THREE LASER WAVELENGTH OPTIONS—ONE PRICE



BLUE



RED



GREEN



[sunnuclear.com](http://sunnuclear.com) // +1 608-828-7000

Corporate Headquarters: 7600 Discovery Drive, Middleton, WI 53562

Designed with versatility and modern workflows in mind, the new CT SIM+™ with RapidSIM interface is the next generation in movable lasers and multiple isocenter marking. RapidSIM includes our Complete Connectivity Suite to empower your workflow and is included with every system. You may also select from blue, green or red laser colors with no additional charge.

## Highlights

- The Complete Connectivity Suite includes
  - Handheld Wireless Tablet for in-room control
  - Touchscreen Control Monitor for convenient patient workflow
  - DICOM and Text file interconnectivity
- Sub-millimeter accuracy
- Choice of red, green or blue lasers — each available at the same price
- Multiple Installation Configurations
  - Wall / Ceiling
  - Bridge
  - Floor-Mount Post

## Specifications

### Laser Output

Power (mW): <1.0

Range (m): Up to 6

Line Width: ≤0.5 mm for all colors @ 4 meters

Line Length: ≥2 meter @ 4 meters

Wavelength Red (nm): 635

Wavelength Green (nm): 515

Wavelength Blue (nm): 450

### Mechanical

Length of travel: 70 cm

Mechanical Resolution: 0.02 mm

Projected Laser Accuracy: ±0.5 mm at 3.0 m

## Configurations

- All functions of the CT SIM+ Movable Laser system can be controlled by the master controller in the control room or from the wireless tablet at the scanner.
- RapidSIM reads laser coordinates from treatment planning systems or other CT Simulation packages for easy, accurate and hands-free identification of the patient marking locations.

### 3-Arm Systems

Any coordinate can be achieved using the lasers and CT couch Y-axis adjustment. All laser functions can be performed in the control room or via the wireless tablet at the scanner.

### 5-Arm Systems

Any coordinate can be achieved without the need to manually move the couch in and out of the bore. CT SIM+ reads treatment planning and other simulation system coordinates for easy, accurate movement to the marked location.

### Total System Solution – no options to purchase

Feature	Included
Touchscreen Control Monitor	✓
Wireless Handheld Tablet	✓
Full-field Laser Alignment & Imaging Coincidence Phantom	✓
DICOM Connectivity	✓
Multiple display options to reduce eye strain	✓
No additional cost for color upgrades	✓
2-year Warranty	✓

### Dimensions

Length (cm): 112

Width (cm): 21

Depth (cm): 9

Bridge Width x Height (m): 3.2 x 2.6  
(custom available upon request)

### Power Requirements

Voltage: 110/240 VAC (auto-select)

### Wireless Connectivity

Wifi 802.11 b/g/n

### Certifications

Complies with Center for Devices and Radiological Health regulations for Class II lasers and all CE requirements.

Certified to: IEC 60601 (Safety); IEC 60825-1 (Laser); 21 CFR 1040; MDD 93/42/EEC. FDA 510(k) clearance (K152303). Gammex is an ISO13485 certified medical device manufacturer.