

# RADON

MEDICAL IMAGING

## PRODUCT OVERVIEW

UMI550

**UNITED  
IMAGING**



[radonmedicalimaging.com](http://radonmedicalimaging.com)

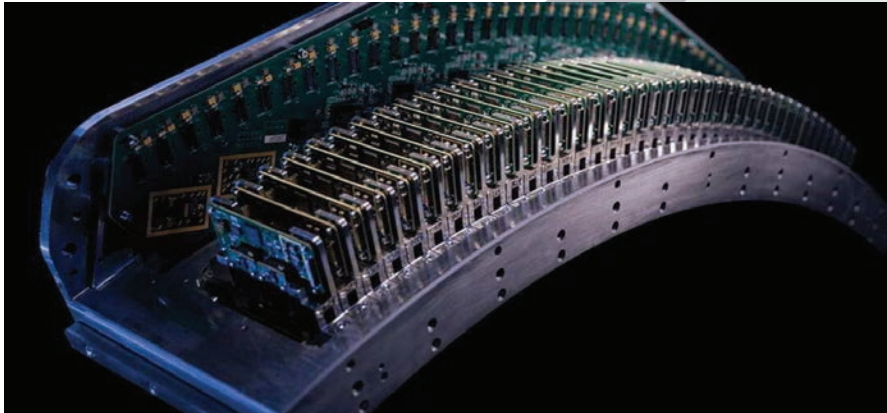
WEST VIRGINIA  
866-723-6698

VIRGINIA  
800-722-1991

SOUTH CAROLINA  
800-722-1991

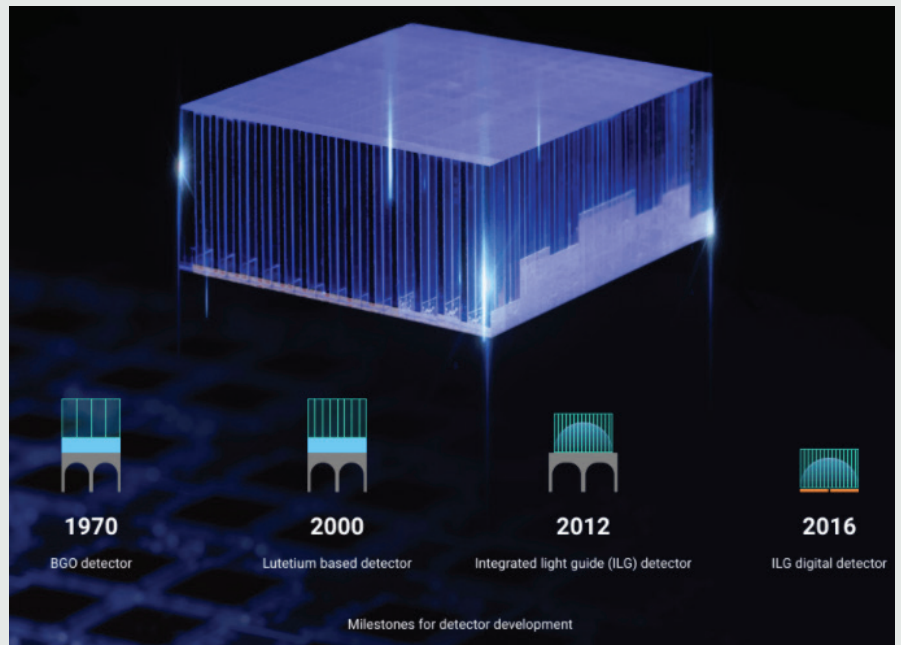


# TECHNOLOGIES



## 80-SLICE ULTRA LOW NOISE CT

- Built on Z-Detector technology
- 80-slice diagnostic CT
- 0.55 mm individual elements



## HIGH RESOLUTION DIGITAL PET

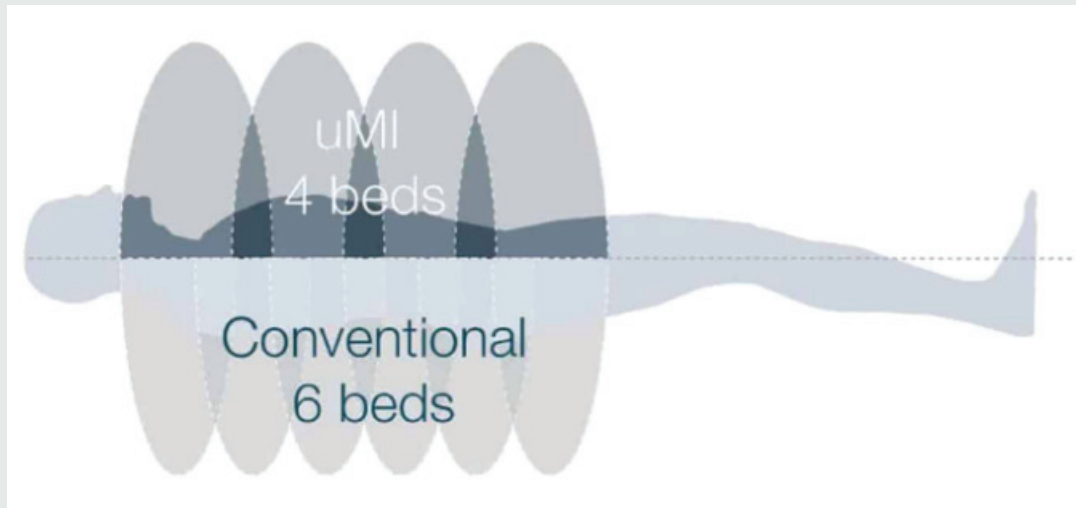
- uEXPLORER PET technology inside
- 2.9 mm NEMA resolution
- 2.76 mm lutetium-yttrium oxyorthosilicate (LYSO) crystals



# ADVANCED TECHNOLOGIES



Advanced technologies are standard on all systems  
Time-of-flight, point spread function, HYPER Iterative (ROSEM), HYPER Focus, deep learning (AI) PET reconstructions, deviceless gating, metal artifact correction and more are included  
All-in Configurations™ maximize the potential for your PET and CT diagnostic examinations

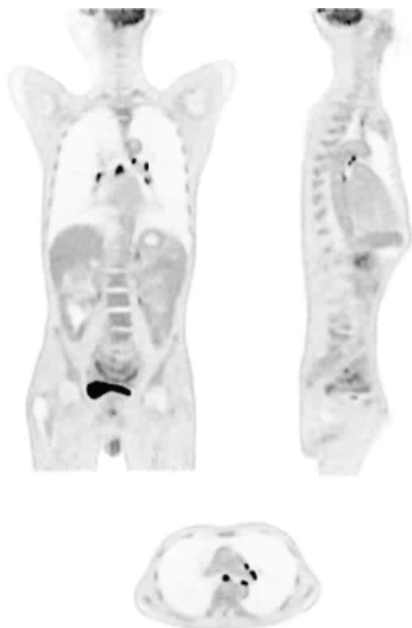


## 24 CM AXIAL FIELD OF VIEW (FOV)

Acquires a whole-body scan in 4 beds within 8 minutes\*  
High-speed scanning increases patient throughput  
High system sensitivity boosts data acquisition and enables low dose PET scans



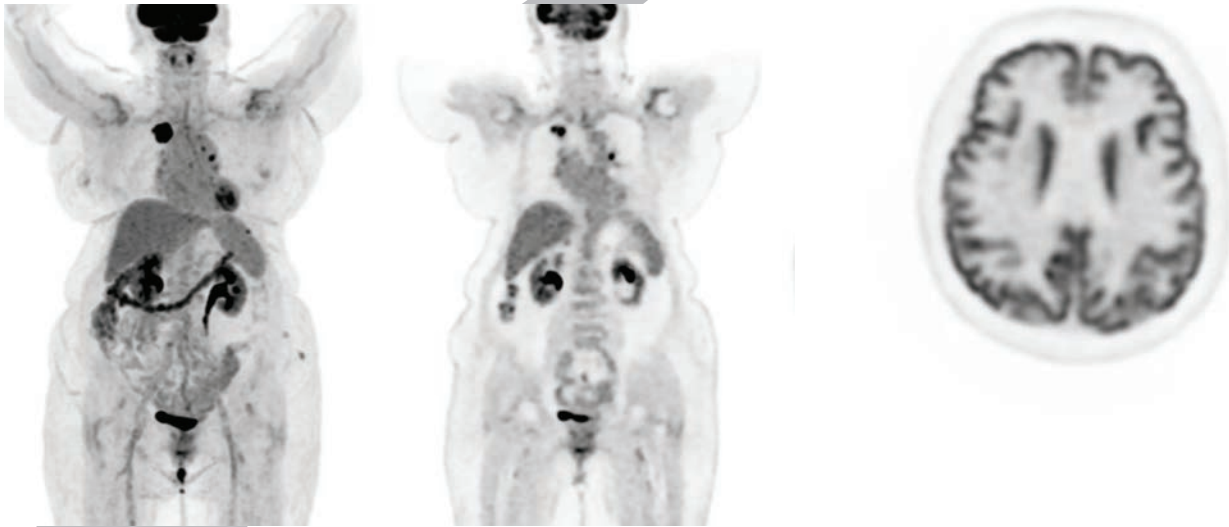
## UAI HYPER DPR



- AI is only as good as the data you use to train it with  
Only CNN-based iterative reconstruction engine trained with uEXPLORER PET total-body data  
Utilizes a pre-trained neural network to predict low noise PET images and improve image contrast
- Mobile-specific workflow  
Fully configured, air-cooled digital PET/CT  
Maximum patient throughput to aid with multiple locations in the same day

## MOBILE GOES DIGITAL





## CLARITY FOR IMAGING - FULL FIELD OF VIEW RESOLUTION

### Clarity

2.9 mm ultra-high NEMA PET resolution improves quantitative accuracy and small lesion detection

### Sensitivity

9 cps/kBq high system sensitivity boosts data acquisition and enables low-dose PET scans

### Speed

24 cm Axial FOV for faster patient scanning





DIGITAL.  
ACCESSIBLE.



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IMAGING**



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