Digirad

SoloMobile™

SFOV Gamma Camera

SoloMobile is a versatile and compact gamma camera system designed for use in hospital environments, outpatient clinics, or private office settings. Its low-profile detector can be positioned to perform a large range of planar procedures such as imaging of the thyroid gland, parathyroid, multigated cardiac and sentinel node.

Design & Quality
Simplicity in use, reliable and high performance

Bedside Imaging
Maneuverable and battery powered

Complete and Self-contained
Workstation included

Infrastructure Integration
DICOM Modality Work-list

The mobile advantage

SoloMobileTM is designed to be moved within a nuclear medicine department, through hospital corridors or in patient rooms for bedside imaging. The four quality wheels and the hand grip design enable easy maneuvering of the unit.

Battery Power
The SoloMobile is powered by a built-in battery pack.

Extended Use
SoloMobile can image patients for one hour on the battery

Standard Power
The camera ban be plugged into any standard wall outlet.

The SoloMobile camera is a portable, single-detector system dedicated for planar imaging

SoloMobile™

Technical Specifications

DETECTOR

UFOV	Circular 210 mm diameter
Energy range	55–400 keV
Intrinsic spatial resolution (UFOV)	< 3.7 mm (FWHM), < 7.6 mm (FWTM)
Intrinsic spatial linearity (UFOV)	< 0.2 mm (Differential), < 0.5 mm (Absolute)
Intrinsic energy resolution (UFOV)	<9.4%
Intrinsic flood field uniformity (UFOV)	< 1.5 % (Differential), < 2.5 % (Integral)
Intrinsic count rate performance	> 250 kcps
System spatial resolution:	
LEGP (140 keV) LEHR (140 keV)	<9.4mm FWHM @ 100mm <7.8mm FWHM @ 100mm
System planar sensitivity	
LEGP (140 keV) LEHR (140 keV)	~ 270 cpmuCi ~ 190 cpmuCi
Available collimators	LEGP, LEHR, MEGP, HEGP, Pinhole with exchangeable inserts, and diverging LEGP.

IMAGE ACQUISITION

Supported imaging procedures	Static, Dynamic, and Gated Planar
Pixel size	4 mm square (64 matrix), 1–5 zoom
Matrix size	64×64, 128×128, 256×256, 512×512 pixels
User-definable acquisition protocols	Pre-defined acquisitions with all parameters set: Select acquisition, position camera (manually), press Start. Manual definition of acquisition protocols.
Termination	Time, counts or accepted number of beats
DICOM	DICOM 3.0. Manual “push” and automatic “push” protocol. Configurable (Password protected) DICOM Modality Work-list as an option.

MOTIONS

Detector vertical	Motorized with fast and slow speed. Range from ~930–1 470 mm above floor
Detector tilt	– 15 to + 90 degrees manual movement with magnetic lock
Detector rotate	– 90 to + 180 degrees manual movement with magnetic lock
Detector reach	64cm from gantry edge to middle of detector

The adjustable gantry and detector configuration accommodates imaging procedures with patients sitting or standing in front of the camera as well as patients lying on a hospital stretcher or gurney. Ease in detector positioning is achieved through a motorized vertical movement and manual rotational movements. When positioned, the detector is kept stable and in place for the imaging procedure by magnetic brakes.

Contact us to learn more: 800.947.6134 | www.digirad.com