We Image Your Needs.

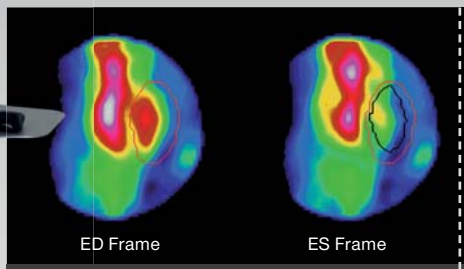
DDD Diagnostic

Solo Mobile™

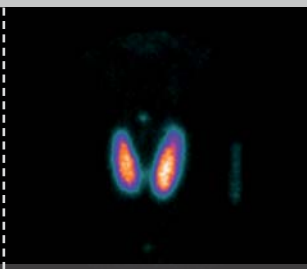
SFOV Gamma Camera

Mobile single-detector system dedicated for planar imaging

Solo Mobile™



MUGA



THYROID, Female 30 years

Danish design & quality
Simplicity in use, reliable and high performance

Bedside imaging
Maneuverable and battery powered

Complete and self-contained
Workstation included

Integrates with hospital infrastructure
DICOM Modality Work-list

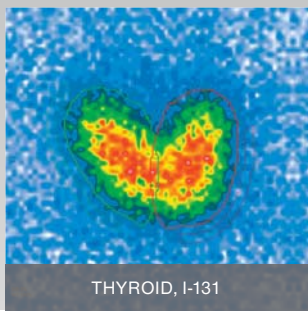
SoloMobile™ is a versatile and compact gamma camera system designed for use in hospital environments, outpatient clinics or private office settings. Its low-profile detector can be positioned to perform a large range of planar procedures such as imaging of the thyroid gland, parathyroid, multigated cardiac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

SoloMobile™ 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.

SoloMobile™ is powered by a built-in battery pack. When the battery is fully charged, **Solo**Mobile™ can image patients for one hour. If additional imaging time is required, **Solo**Mobile™ can be plugged into any standard wall outlet.

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.

SoloMobile™ includes a laptop PC-based intuitive graphical user interface featuring both image acquisition and processing. Persistence scope and energy spectrum display are integral parts of the acquisition functionality. The laptop base plate can swivel to position the laptop conveniently for the user to confirm patient setup and to monitor the patient's position prior to and during acquisition. Functions including clearing of the persistence display and acquisition start are conveniently operable from the detector control panel.



THYROID, I-131

Main Specifications

SoloMobile™

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)	 < 9.4 mm FWHM @ 100 mm < 7.8 mm FWHM @ 100 mm
System planar sensitivity LEGP (140 keV) LEHR (140 keV)	 ~ 270 cpm/µCi ~ 190 cpm/µCi
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 no. 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	64 cm from gantry edge to middle of detector.

[DATA SUBJECT TO CHANGE]

SoloMobile™ is designed, developed and manufactured by DDD-Diagnostic A/S in Denmark.

DDD is a well known OEM manufacturer of gamma camera systems. Early 2012 the first products under own brand were also released to the market.

DDD was founded in 1987 and has been involved in design and development of some of the most successful gamma camera systems in cooperation with major international vendors of medical diagnostic imaging equipment.

DDD-Diagnostic A/S

Dr. Neergaards Vej 5E
DK-2970 Hørsholm
Denmark

www.ddd-diagnostic.dk

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