

QuantumCam™

Variable Angle Gamma Camera For General Purpose Nuclear Medicine



Compact Novel Design

Clinical Flexibility with Superior Image Quality

DDD
Diagnostic

Open Gantry

Clinical Flexibility with Superior Image Quality



- **Inviting**
- **Friendly**
- **Without tunnel**

Flexible

The system offers full flexibility in detector positioning

Easy-to-use

Open gantry design is free of obstructions, enabling easy positioning of ambulatory patients

Reliable

Superior imaging for whole-body, SPECT, cardiac SPECT, and planar imaging procedures

Dynamic

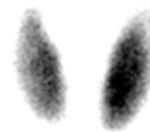
Fixed patient table with translating gantry reduces room size requirement

QuantumCam™ is DDD's advanced Dual Head Variable Angle with large field-of-view (LFOV) General Purpose Nuclear Medicine Camera

QuantumCam™ has minimal room size requirements. In fact, no other SPECT system in the market has such a small footprint and still full flexibility in detector positioning, offering versatile use for whole-body, SPECT, Cardiac SPECT, and planar imaging procedures

QuantumCam™ with removable patient table

- Allows upright imaging
- Ideal for thyroid, renal and body extremities
- Supports seated, gurney and bed imaging



Planar imaging

Full flexibility to position detectors

- Single detector imaging
- Dual detector imaging

Whole-body imaging

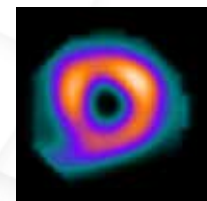
- 54 cm (21 in.) by 31 cm (12 in.) detectors
- No truncation of arms and shoulders
- Scan range of 205 cm (6.7 ft.)



Cardiac SPECT

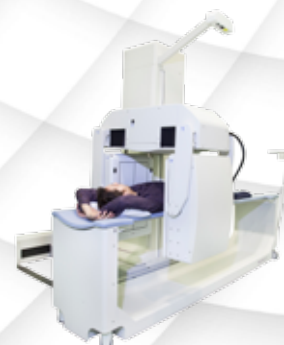
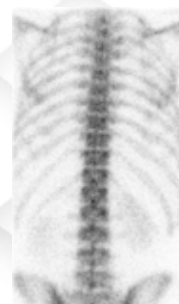
19–56 cm (7.4–22 in.) scan diameter
Simplified workflow (setup)

- Circular and contoured orbits
- Clockwise and counter clockwise rotation
- Supine and Prone imaging



General purpose SPECT

16–68 cm (6.3–26.7 in.) scan diameter
range enables imaging of all patients
and extremities without compromise





PMT

QuantumCam™ uses square PMTs allowing less dead space compared to round/hexagonal PMTs, thus offering better photon statistics

Image Quality

The DDD detectors utilize proprietary 100% digital pulse pile-up compensation and integration

Autonomous PMT Stabilization technique ensures high stability

Combined with advanced digital correction methods, the image quality is very good across the usable energy range

Collimators

- Low Energy High Resolution
- Low/Medium/High Energy General Purpose
- Low Energy Ultra High Resolution
- Low/High Energy Pinhole



Flexible Detector Configuration

Detectors can be configured at 0°, 90°, 180° to allow different nuclear medicine procedures and easy patient positioning

Handle releases balanced detector for easy setting of geometry

Patients can be scanned while sitting, standing and in a wheelchair or stretcher

Optimal Patient Bed Height

QuantumCam™ has a fixed patient bed height of 72 cm which is optimal for patients to easily lay down or to be transferred from a hospital bed. The fixed bed offers simple, reliable and safe patient handling



Wholebody Auto-body Contouring

Unorthodox method for auto contouring with future expansion possibilities

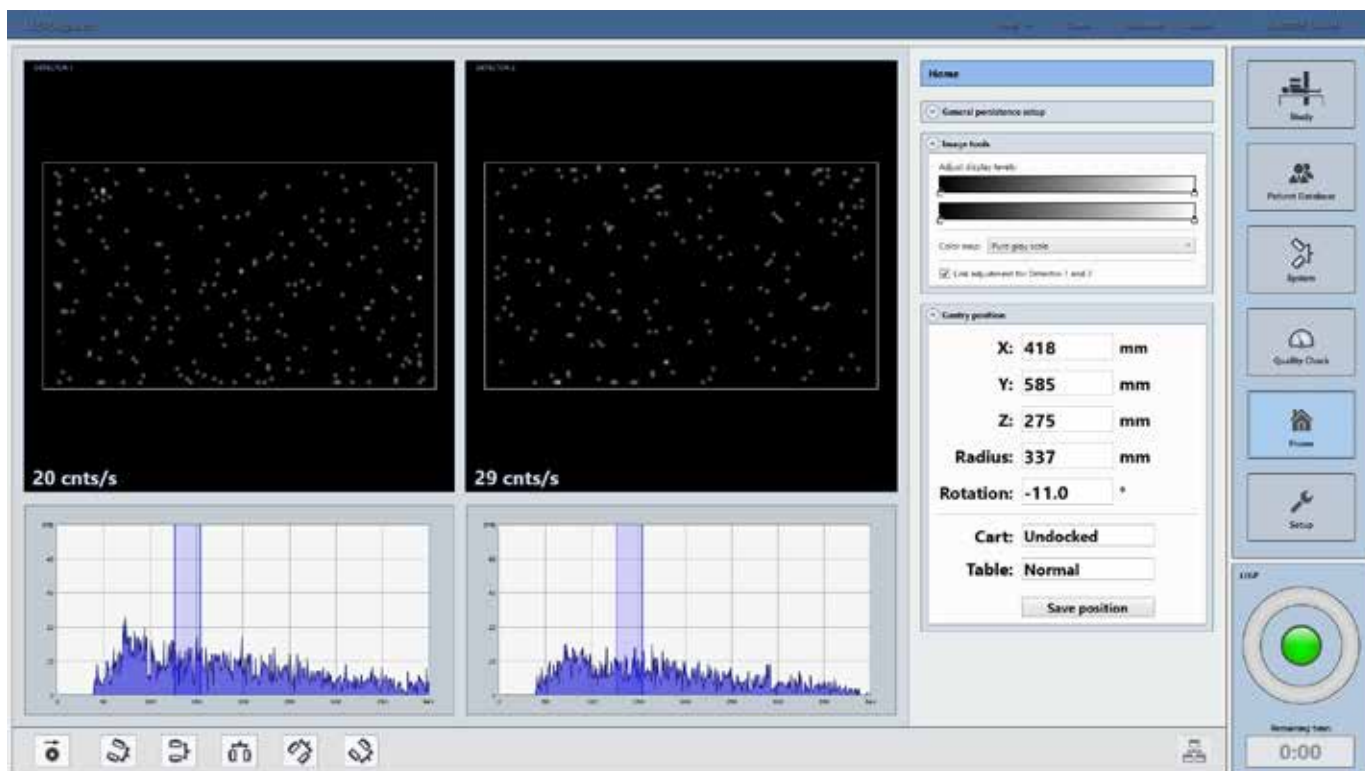
Safe laser based broad field contour measurement (height as well as width)

Easy To Scan Obese Patients

QuantumCam™ system has a transverse field of view of 54 cm allowing obese patients to be scanned comfortably without compromising image quality

The gantry-free design and the weight capacity of the patient bed allow obese patients to be positioned easily and scanned comfortably





ClearSight™ user interface

Windows-based graphical user interface

Minimal interaction required

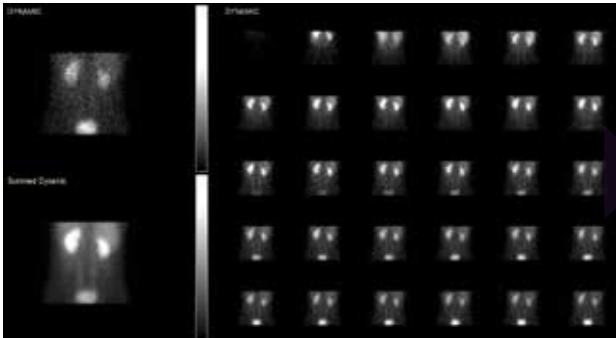
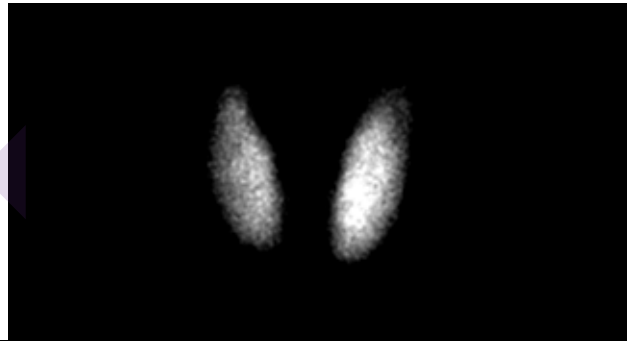
DICOM 3.0 compatible

Optional mobile stand offers convenient access

Remote option is available for separate acquisition rooms

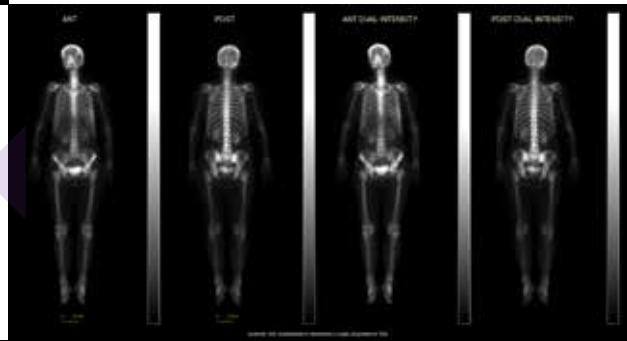
Integrates seamlessly to most commonly used processing workstations

Static Imaging



Dynamic Imaging

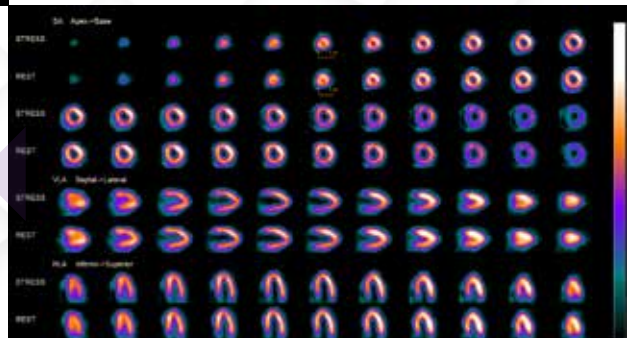
Whole-body Imaging



General Purpose SPECT



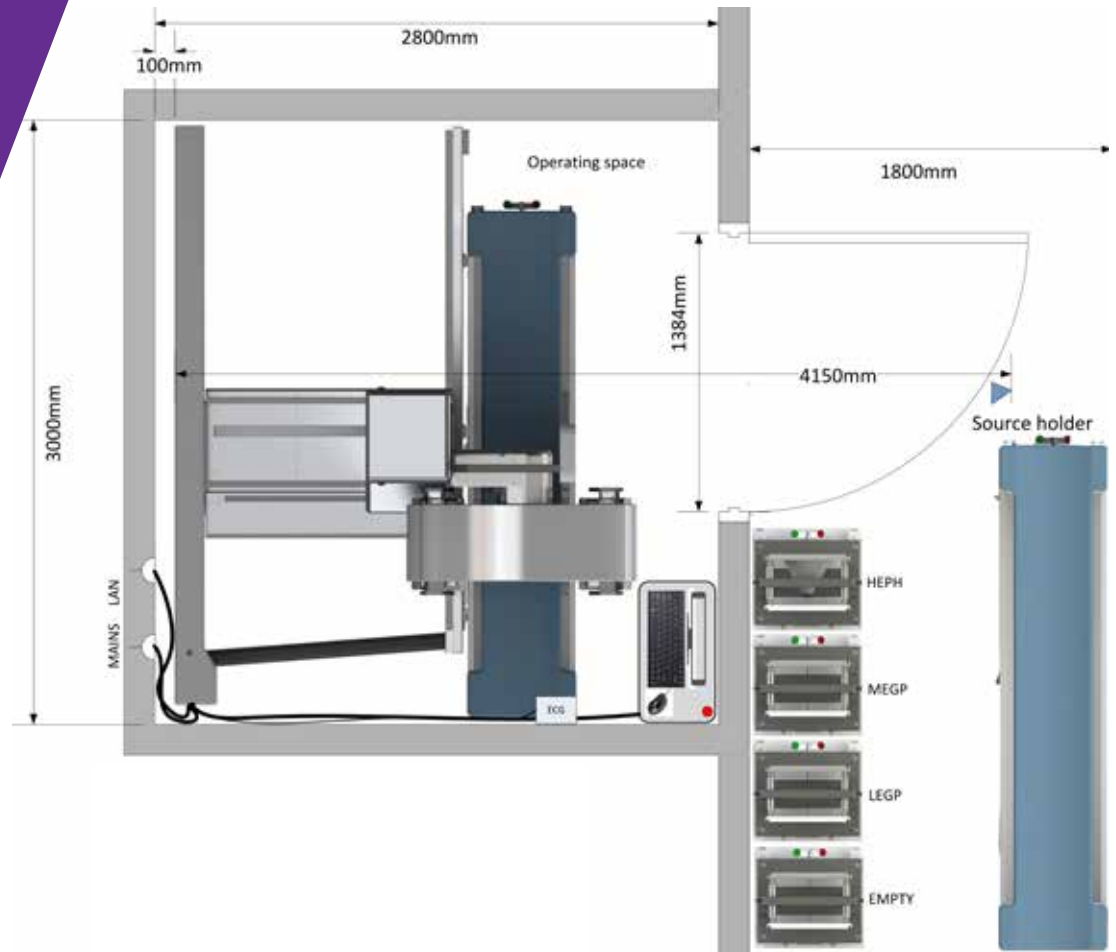
Cardiac SPECT



Limited Space In Your Department?

Footprint:(W) 290 cm x (L) 197 cm x (H) 214 cm

Room size: (min) 280 cm x 300 cm



QuantumCam™ 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.