



QuantumCam™

Variable Angle Gamma Camera For General Purpose Nuclear Medicine

Compact Novel Design

Clinical Flexibility with Superior Image Quality

DDD
Diagnostic

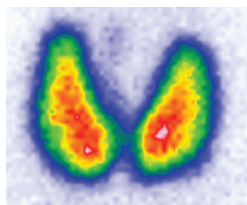
The QuantumCam™ is DDD's advanced Dual Head Variable Angle with large field-of-view (LFOV) General Purpose Nuclear Medicine Camera

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



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.)



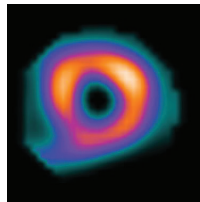
Planar imaging

Full flexibility to position detectors

- Single detector imaging
- Dual detector imaging

QuantumCam™ with removable patient table

- allows upright imaging
- Ideal for thyroid, body extremities
- Renal imaging
- Seated, gurney, bed imaging supported

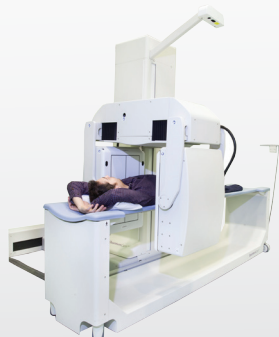


Cardiac SPECT

19–56 cm (7.4–22 in.) scan diameter

Simplified workflow (setup)

- Circular and contoured orbits
- Clockwise and counter clockwise rotation

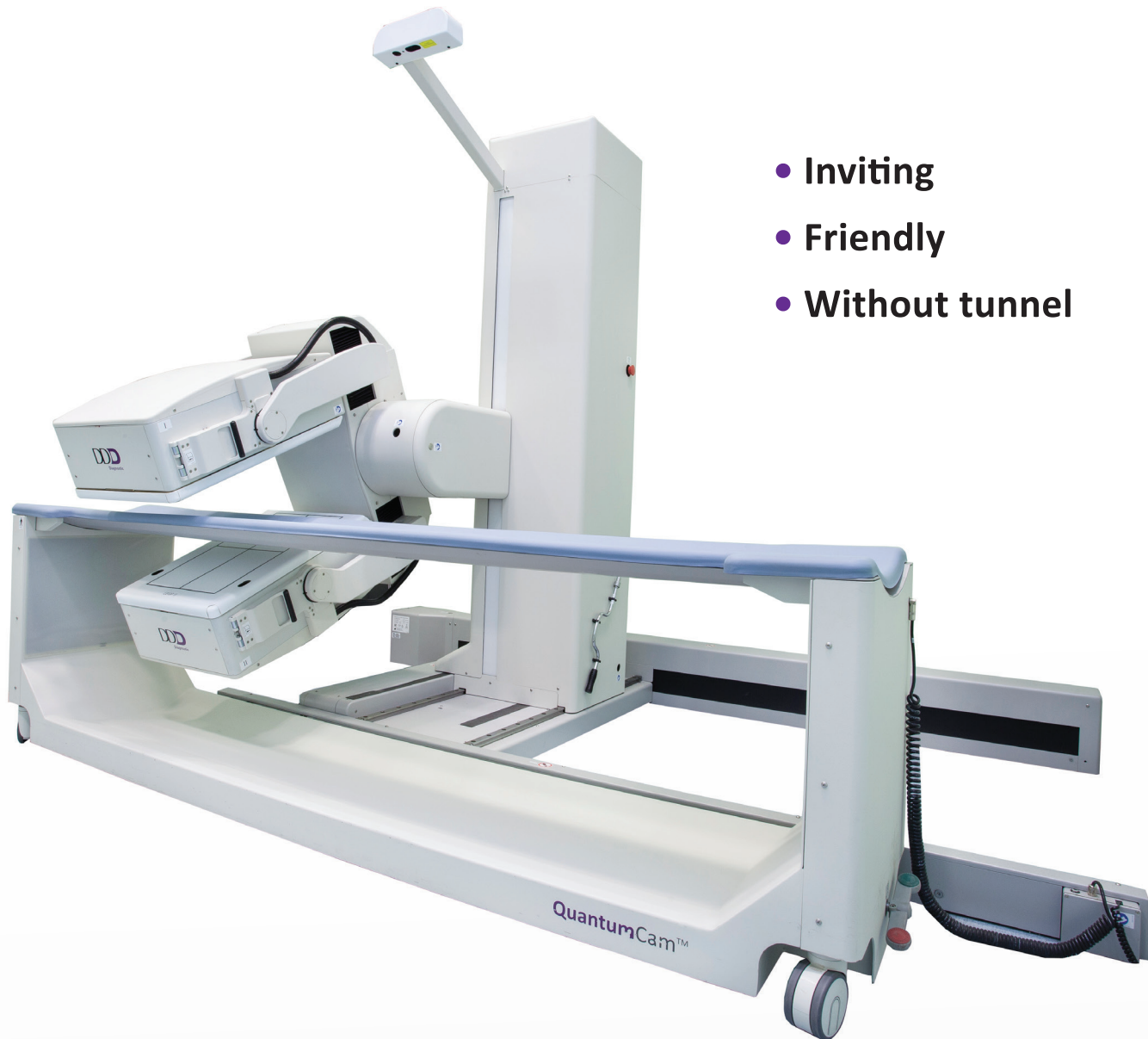


General purpose SPECT

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

Open Gantry

Clinical Flexibility with Superior Image Quality



- Inviting
- Friendly
- Without tunnel

Flexible

The system offers full flexibility in detector positioning

Reliable

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

Easy-to-use

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

Dynamic

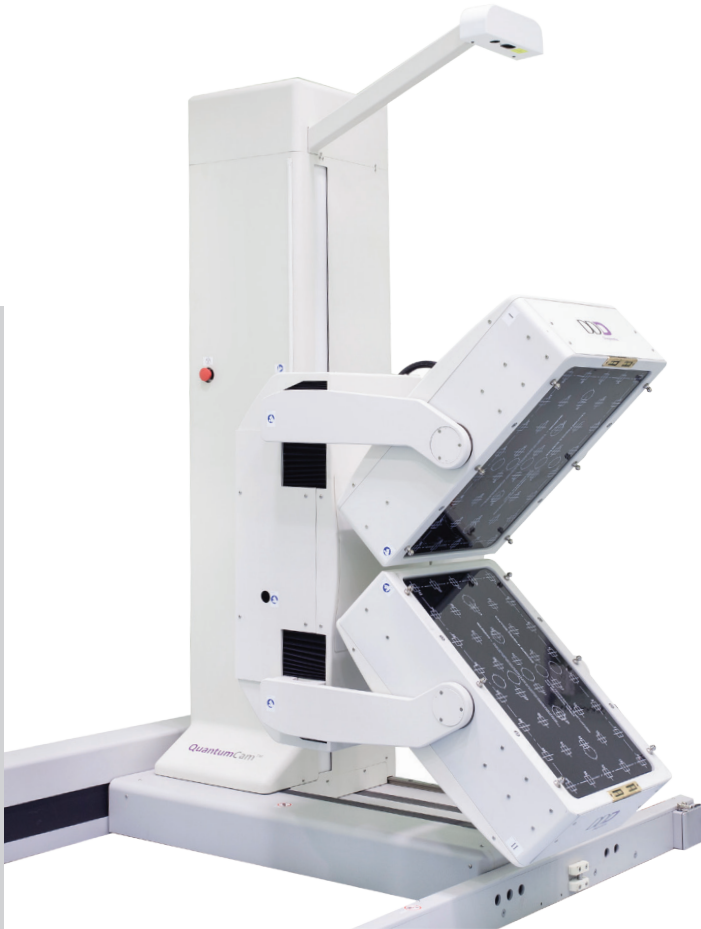
Fixed patient table with translating gantry reduces room size requirement

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

PMT

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



Collimators

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



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



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)”

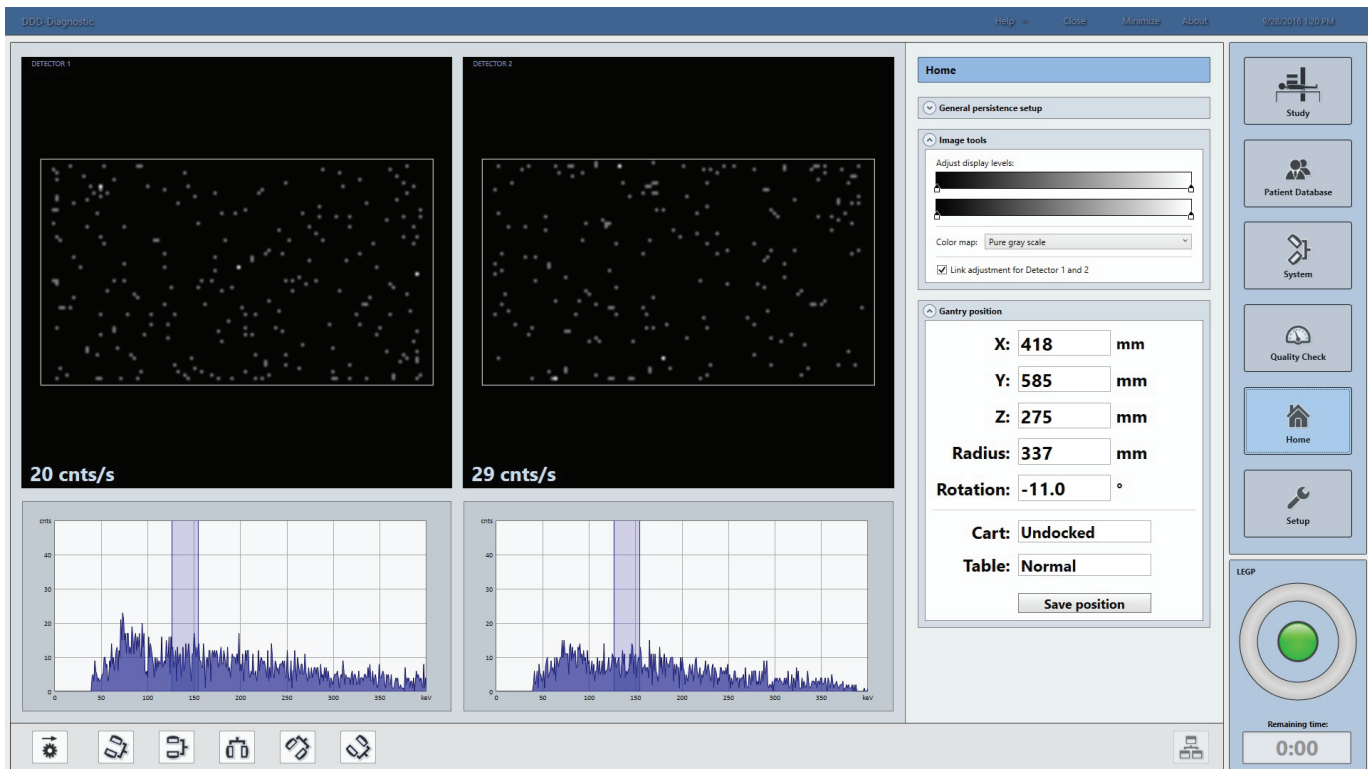
Easy To Scan Obese Patients

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 scan comfortably

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





ClearSight™ user interface

Windows-based graphical user interface

Minimal interaction required

DICOM 3.0 compatible

Optional mobile stand offers convenient access

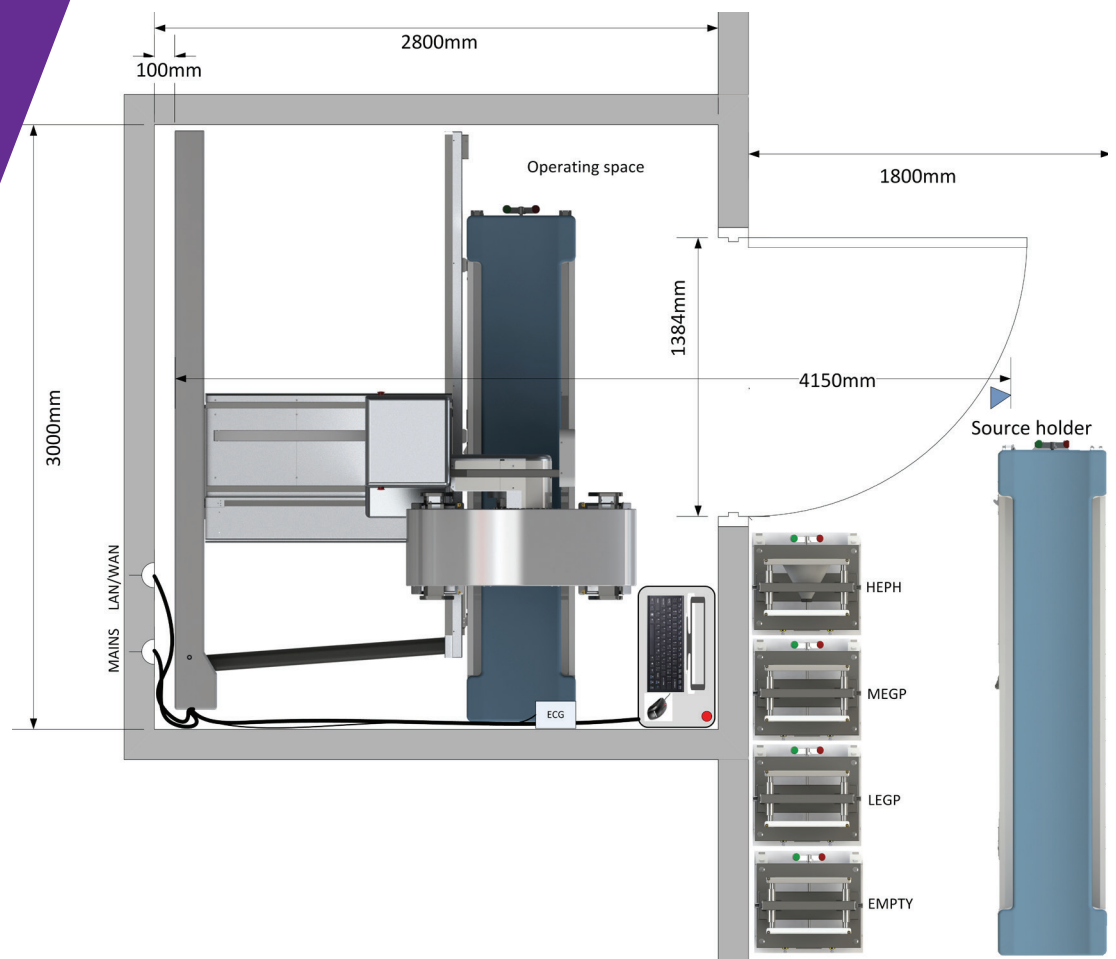
Remote option is available for separate acquisition rooms

Integrates seamlessly to most commonly used processing workstations

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.



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