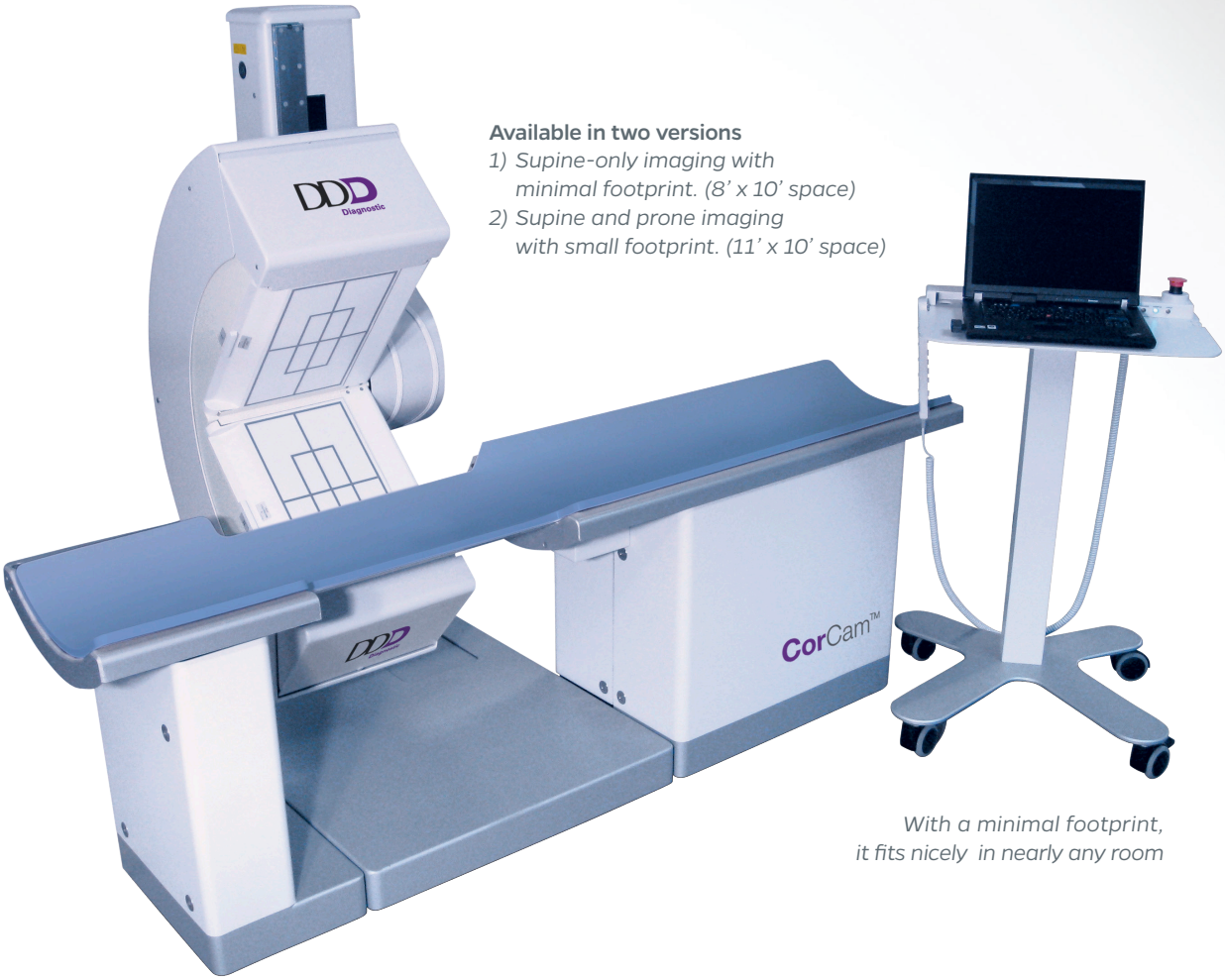
Digirad

CorCam™

Cardiac Gamma Camera



Available in two versions

1) *Supine-only imaging with minimal footprint. (8' x 10' space)*
2) *Supine and prone imaging with small footprint. (11' x 10' space)*

With a minimal footprint, it fits nicely in nearly any room

The CorCam features two fixed 90-degree detectors each with a 36cm x 20.4cm field of view (FOV) and 24 high-resolution low-profile photomultiplier tubes providing high detector performance and excellent resolution.

Optimized

Designed for quick and seamless Myocardial Perfusion Imaging.

Proven

Highly reliable and well proven gamma camera.

Easy-to-use

Truly open gantry allows for greater patient comfort.

Cohesive

Integrates with hospital infrastructure – DICOM Modality Work List.

CorCam™

Technical Specifications

DETECTOR PERFORMANCE

UFOV	36 × 20.4 cm (37 × 21.4 cm imaged FOV)
Energy range	55–200 keV
Intrinsic spatial resolution (UFOV)	< 3.8 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 wo. Scatter	200 kcps
Collimators	LEHR and LEGP

SYSTEM PERFORMANCE

System spatial resolution wo. Scatter	
LEHR (140 keV)	< 7.7 mm FWHM @ 100 mm
LEGP (140 keV)	< 9.4 mm FWHM @ 100 mm
System planar sensitivity	
LEHR (140 keV)	191 cpm/µCi +/– 7 %
LEGP (140 keV)	277 cpm/µCi +/– 7 %
Detector-detector sensitivity variation	5 %
Center of rotation error	< 4.6 mm_{pp}

IMAGE ACQUISITION

Supported imaging procedures	Static, dynamic, gated planar, SPECT and gated SPECT
Pixel size	6.4 mm square (64 matrix). 1–5 zoom
Matrix size	64×64, 128×128, 256×256, 512×512 pixels
DICOM	DICOM 3.0. Manual and automatic "push" protocol to user-provided nuclear medicine workstation. DICOM Modality Work List as an option.

GENERAL

Power requirement	100–120 VAC,
	200–240 VAC. 50/60 Hz
Weight	< 1,000 kg (< 2,204 lbs.)
Min. room size requirement	
Version for supine imaging	2.45 × 3.05 m (8' x 10')
Version for supine and prone imaging	3.35 × 3.05 m (10.9' ×10')
Table Load Limit	180 kg (400 lbs.)

SPECT Camera for nuclear cardiology procedures

- Fixed 90-degree two matched detectors for superior image quality
- Two 3/8" crystals with 36cm x 20.4cm field of view (FOV) detectors
- 24 high-resolution low-profile photomultiplier tubes per detector
- Features Auto Gain, Energy, Linearity and Uniformity corrections
- Preprogrammed gantry motions with digital LED displays
- Compact integrated design for minimal room size requirements
- Full complement of Nuclear Cardiology clinical software

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