Lunar DPX NT technical specifications

Available applications and options
- AP spine
- Femur
- DualFemur
- OneScan
- Advanced Hip Assessment (AHA)
- ScanCheck
- Total body/body composition
- Estimated Total Body %Fat
- Forearm
- Orthopedic
- Pediatric
- OneVision
- Composer
- Lateral spine BMD
- TeleDensitometry (e-mail)
- HIRPA SecureView
- Practice Management tools
- DICOM (worklist, color print and store)
- HL7 bidirectional interface
- Multi-User Database access (MUD8)
  (1-3 or 1-10 users)
- SQL database
- Applaud CD-based training
- Remote connectivity for direct customer support

enCORE Windows-based user interface
- Advanced intuitive graphical interface with multimedia on-line help
- Multiple languages available
- SmartScan for scan window optimization and dose reduction
- Automated scan mode selection

• AutoAnalysis for better precision
• Customized analysis for clinical flexibility
• Exam comparison process
• Multiple patient directories with database
• BMD or sBMD results, BMC and area
• Extensive reference data: >12,000
  USA/Northern European subjects, as well as NHANES, and numerous
  regional databases.
• T-score, Z-score, % young adult and % age matched
• WHO guidelines for diagnosis of osteoporosis
• Patient trending with previous exam importation
• enCOREXpress mode for brief click path

Standard features
- Washable table pad

Quality assurance
- Automated test program with complete mechanical and electronic tests
- Automated QA trending with complete storage

Scanning method
- XA pencil-beam technology with SmartScan technology
- No scout scan required, no moving table

X-ray characteristics
- Constant potential source at 76kV
- Dose efficient K-edge filter
- Tube current: 0.05 - 1.50 mA

Detector technology
- Nail PM tube detector
- High pulse rate

Dimensions (L x W x H) and weight
- System: 2.42m x 1.03m x 1.28m - 272kg
  (95” x 41” x 50” - 599lbs)
- Table height: 63cm (25”)

Patient weight limit
- 136kg (300lbs)

External shielding
- Not required: X-ray safety requirements may vary by location. Please inquire
  with local regulatory authorities.
- Operating scatter: < 0.2 mR/hr (2 μSv/hr)
  @ 1m (39”) from X-ray source
- GE Healthcare recommends consulting your local regulatory agency to comply
  with local ordinances.

Environmental requirements
- Ambient temperature: 18-27°C (65-81°F)
- 120 VAC 50-60 Hz 20A dedicated circuit or 230-240 VAC 50-60 Hz 10A
  dedicated circuit ±10%
- Humidity: 20%-80%, non-condensing

Computer workstation
- Windows platform
- Computer, printer and monitor

References
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diagnosis and treatment decision making.
4. LN. Schwarze, LM. Stoeberg. Performance of Computer
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Comparison with Visual Assessment by Experienced
Densitomists. Abstracts published in Osteoporosis Int 15
Supp 1, 2004. Poster presented at the 3rd World Congress on
5. HS. Kaneshiro, JD. Jackson, A. Kaye, H. Kawashita, M. Frank, KG.
Falkner (2003). Automated assessment of exclusion criteria
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S16A2. Poster presented at ISBMM Annual Meeting, October
2004.
Comparison of lumbar spine BMD and T-scores
with conventional and OneScan leg positioning in a
Japanese population. Presented at the 17th International
Bone Densitometry Workshop, Kyoto Japan, November
2006.
8. RH. Nord, DL. Erting, KG. Falkner. Effect of patient
positioning during bone density measurements.
Abstracts published in J Osteoporos Res 2003 18 Supp 1:
S131. Poster presented at ISBMM Annual Meeting, September
2003.
9. Networking is under the user’s responsibility.
10. The World Health Organization (WHO), the International Society of Clinical
Densitomists (ISCD) and the National and International
Osteoporosis Foundation (NOF and IOF)
Comparison of lumbar spine BMD and T-scores
coefficients for the spine and the hip in the supine
19 Supp 13: S16A. Poster presented at ISBMM Annual Meeting,
Comparison of lumbar spine BMD and T-scores
14. Depending on product configuration and availability,
Contact GE Healthcare or our local distributor for
the detailed current configuration and optional hardware.

Minimum room dimensions:

8’ (2.4m)

10’ (3.0m)