

## LISTEM & PERLONG Mobile X-Ray

### Listem MobiX-1000 Portable x-ray system



#### Features:

High Frequency Inverter type x-ray generator  
Excellent mobility and positioning  
Stability during moving

Generator: High Frequency Inverter  
Rating: 125kVp, 20mAs (2.5kW)  
80KvP, 30MaS (2.4Kw)

X-ray tube: Focal spot: 1.2mm X 1.2m

Max. tube voltage: 125kVp

Max output power: 2.5kW

#### X-ray control system:

Input power: Single phase 220VAC, 50/60Hz

kVp range: 40-125kVp

aAs Range: 1-200mAs (42 steps)

Exposure Signal: Buzzer & LED Display

#### X-ray tube stand:

Arm position: Max height: 1837mm

From the floor: Min height: 416mm

#### X-ray beam limiting device:

Type: Manual

Lamp: Halogen, 24VAC, 150W



### PERLONG PLX101D High Frequency Mobile X-ray Equipment (100mA)

#### Specifications

Power Output: 5.0KW

Frequency: 40KHz

X-ray Tube: Fixed anode

Focus: 1.5mm

Tube Voltage: 40~110KV (interval 1KV)

Tube Current: 40~49KV 100mA 1~180 mAs

50~59KV 77mA 1~140 mAs

60~69KV 64mA 1~125 mAs

70~79KV 55mA 1~110 mAs

80~89KV 49mA 1~100 mAs

90~99KV 44mA 1~90 mAs

100~110KV 32mA 1~80 mAs

mAs: 1.0~125 mAs (43 steps)

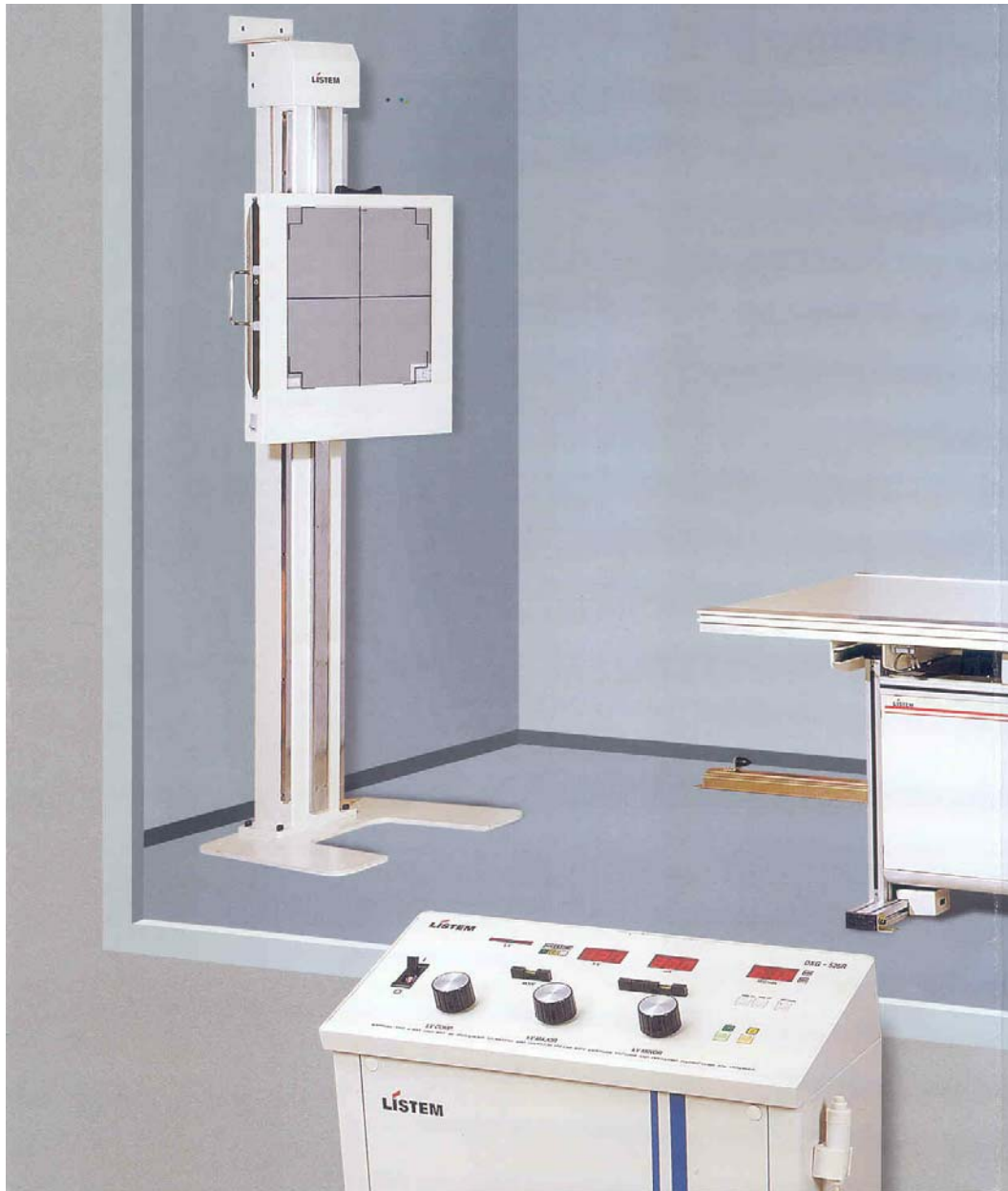
Power Supply: 220V±10% 50Hz inner-resistance≤1.0Ω

Operation Method: Wire/Wireless control With a back-up battery

Lamp Brightness: More than 160Lux

Timer: Within 24-29 seconds

## LISTEM Conventional X-Ray



**LISTEM DXG-325R—a proven workhorse in the Pacific Islands - over 6 in use for over 10 years**

**DXG-325R Generator:**

Output rating: 300mA/100kVp - 200mA/125kVp  
 kVp range: 40-125kVp  
 mA range: 50-300Ma  
 Exposure range: 0.008~6sec  
 Rectification method: Full wave rectification  
 Control Method: Rotary switch  
 Display Method: Digital display  
 Power Supply: 220VAC 50/60Hz

**X-Ray Tube:**

LTN-25 with 1.0 X 2mm focal spot

**Tube Stand:**

SFC 31 - Floor to ceiling

Vertical travel: 1434mm - Longitudinal travel 2446mm

**Bucky Stand:**

BS20 - Floor mounted, vertical travel 1105mm

**Radiographic Table:**

KOB-1 - 4 way floating table IR sensor for motion

Cassette travel: 510mm

Tabletop sliding: 916mm approx Longitudinal  
 320mm approx Traverse

## LISTEM Digital X-Ray

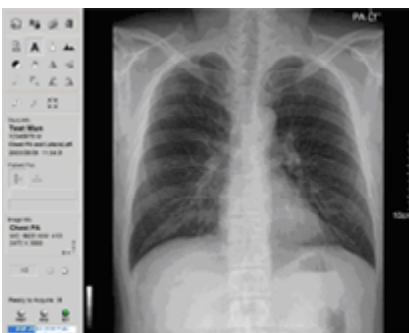


### Uses

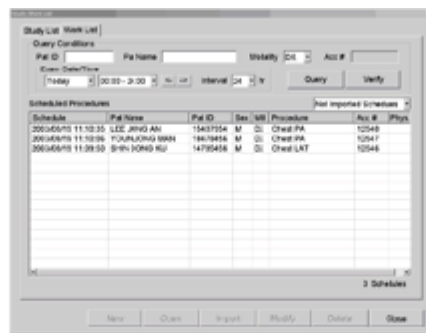
The UNI-DR System is a digital x-ray system that makes it possible to perform all x-ray-related tasks using a single detector. Also, its software supports the DICOM 3.0 Standard. The device also automatically takes x-rays, x-ray imaging position and x-ray irradiation, requiring only the x-ray imaging patient information indicated on the work list as it is connected to the hospital's PACS.

### Feature

- Using a high-voltage production device with a high-frequency inverter method by microprocessor control, the x-ray has a small pulse rate with superior reproduction and stability. Also, it has an Anatomical Programs for Radiography (APR) function and an optional support for Automatic Exposure Control (AEC) function
- Using the Digital Flat Panel Detector enables it to quickly obtain high-quality digital images within 4 seconds.
  - As a general digital x-ray device, it can obtain and process images through the workstation, set x-ray imaging conditions through the x-ray generator control panel, set the patient's position through the Auto Positioning System (APS) control panel, whereas the automatic x-ray irradiation can be set through the Auto Collimation System (ACS) control panel. Through the connection with PACS, it also supports the automatic setting of all the above control functions using the x-ray specifications indicated on the work list.



< Image Data Acquisition >



< Worklist, APR Link >



< Integrated Control Software >

X-Ray Conversion	Cesium Iodide
Receptor Type	Amorphous Silicon
Panel Active Size	43 x 43 cm
Pixel Pitch	143 Micron
Active Pixel Matrix	3,001 x 3,001
Limiting Resolution	3.5LP/mm

## LISTEM Digital X-Ray



This CLASCAN equipment is a digital R/F x-ray taking device offering a wide range of functions and features for maximum patient convenience. Also, it is a remote-controlled system that enables the operation to be done from the main and local consoles, thereby enhancing convenience and exposing the operator less to x-ray irradiation.

### Uses

- As a digital fluoroscopy/ x-ray imaging device, images can be obtained and processed through the workstation with the x-ray imaging conditions set through the x-ray generator control panel. The irradiation area of the x-ray can be automatically set through the Auto Collimation System (ACS) control panel. It also supports all automatic settings of the abovementioned control parts using the x-ray imaging information indicated on the work list through its connection with PACS.

### Special Features and benefits

- With the ideal combination of 6-, 9-, 12-inch 1.1 tube and high-resolution (1K x 1k) CCD camera, it offers superior contrast, acutance and graininess.
- Equipped with a high-frequency generator, it offers improved x-ray efficiency compared with that of existing general-use frequency methods with beam quality improvement.
- Enhanced user convenience with camera auto calibration /setup with image quality analysis software functions.

### Product Composition:

- Product composition
- X-ray generator
- X-ray control console
- X-ray tube assembly
- X-ray collimator
- X-ray image intensifier
- Digital ccd camera
- Imaging workstation
- Diagnostic monitor
- Diagnostic remote table

### Generator Console



- Real check of exposure condition
- No need to special calibrator for calibration
- Function of pre positioning set with APR mode  
Max 72 Programs which were integrated with table
- High Level Fluorography function  
( Compensation function of fluoroscopic radiation dose as patient constitution)
- LCD Touch type Monitor of generator control system
- Take in Self Diagnostic System (Number of error, exposure and fluoro time)
- Display error message instead of error code No.
- Improve accuracy of AEC
- Support Pulsed Fluoro Function