

## Mobi LynX

Portable Digital Radiography of LynX System



### Features:

- Light in weight, easy to carry
- Simple installation within 5 minutes
- High sensitivity, strong penetration ability
- Lower doses of X-ray radiation, more safety
- High image resolution, wider image scope
- Complete set of cable/wireless connection device
- Long working hours, hot plug battery system to support 24hour working

### Installation Data:

Packing	System Component	Packing Size(mm)	Total Weight	Power Source
Safety Case	X-ray Source, panel detector, laptop PC and other accessories(tripod and cables)	600x60x20	15kg	100-240VAC(50-60Hz) 2A(Built-in)

### Specification of Portable X-Ray Source :

<b>Input Line Range</b>	24VDC $\pm$ 10%, or 24V LiFePO4 Battery Pack
<b>Output kV</b>	30–120 kV
<b>Output mA</b>	0.2–1.0 mA
<b>Battery Power</b>	Continuous: 14min @120W Pulsing: 21min, 15sec On/15sec Off
<b>Battery Charging Time</b>	2 hours from low line (21V)
<b>Voltage Regulation</b>	Load: < 0.2% for mA changes over specified range (with constant ambient temperature and line input.) Line: < 0.2% for Line Input changes over specified range (with constant ambient temperature and load).
<b>Current Regulation</b>	Load:< 0.5% for mA changes over specified kV range (with constant ambient temperature and line input). Line: < 0.5% for Line Input changes over specified range (with constant ambient temperature and load).
<b>Ripple</b>	kV: < $\pm$ 0.5% rms of maximum output mA: < $\pm$ 0.5% rms of maximum output
<b>Repeatability</b>	kV: <0.5% mA: <0.5%
<b>Overshoot</b>	kV: <5% of rated output
<b>Output Rise Time</b>	Standard Rise Time $\leq$ 0.5 Sec. to within 1% of programmed kV

<b>Cooling</b>	Air Cooled
<b>Radiation Shield</b>	<6mR/hr at 5cm from the surface with beam port blocked.
<b>Safety and Regulatory</b>	Designed to meet CE, and IEC/EN61010-1
<b>Dimensions</b>	Generator: 245mm x 80mm x 184mm
<b>Weight</b>	5.9 kg (Generator only)
<b>X-ray Tube</b>	
<b>X-ray Tube Type</b>	Glass
<b>X-ray Focal Spot Size</b>	0.5 mm as per IEC60336
<b>Beam Port</b>	Cone beam: 35°
<b>Operating Environment</b>	
<b>Operating Temperature</b>	-20°C to 50°C
<b>Storage Temperature</b>	-30°C to 80°C
<b>Thermal Cut Off</b>	60°C $\pm$ 3°C of oil temperature
<b>Humidity</b>	98% non-condensing
<b>IP Rating</b>	IP60



Scanning Result



Portable X- Ray Source

## Specifications of Mobi LynX:

<b>Weight:</b>	15Kg
<b>Packing Size(mm):</b>	L600×W600×H200
<b>Working Temperature:</b>	-5~40℃
<b>Humidity:</b>	10%~90%
<b>Power:</b>	500W
<b>Voltage/Frequency:</b>	220VAC,50±3Hz
<b>Dose per Inspection:</b>	2.0μGy
<b>Wire Resolution:</b>	40AWG
<b>Spatial Resolution:</b>	Able to distinguish 3.6lp/mm
<b>Detector</b>	Amorphous Silicon
<b>External Size of Detector:</b>	486x486x25mm
<b>Time per Single Inspection:</b>	8s
<b>Pixel:</b>	139 μ m
<b>Image Area:</b>	427x427mm
<b>Pixel No.:</b>	3072x3072
<b>Data Bit:</b>	14Byte
<b>Communication Port:</b>	Ethernet
<b>Communication Distance:</b>	Wireless 400meters; Cables standard 50meters (Extendable to max 200meters)
<b>PC Terminal:</b>	Intel Core I7 Processor, 4GB Memory, 500GB Harddrive, 14"Display