

# ALERIO

## Smart 8000

DIGITAL MOBILE X-RAY SYSTEM



## DIGITAL MOBILE X-RAY

8kW 40-120kV 150mA 250mAs

- » Dynamic
- » Compact
- » Contemporary



BIS CERTIFIED

Intertek

**ALERIO** Smart 8000 is a High frequency DC Output Compact Digital Mobile X-Ray system for general radiographic procedures. It integrates a wireless DR panel with a touch panel image acquisition and display unit, along with a powerful x-ray source. This integrated wireless DR acquisition ensures real time display of the x-ray images on the display unit. There is no need to wait for film development or cassette reading. The equipment can be powered from an inbuilt battery system or from a standard power outlet. It is lightweight and highly mobile. Hence can be moved in and out of restricted space with ease.

The x-ray source uses a high frequency microprocessor-controlled inverter with feedback control of the x-ray. This ensures good quality x-rays are produced at almost any condition such as poor mains supply. The unit can work from a relatively lower powered mains backup generator or UPS. The exposure settings are pre-programmed as per the anatomy and can be selected using the touch interface. A parallel console can also be used to set exposure settings manually. Both wired and wireless exposure switch is provided for user safety.

### GENERAL SPECIFICATION

Output kV Range	40 kV - 120 kV
Maximum mA	150 mA
Maximum mAs	250 mAs
Peak Power	8kW (100kV 80mA / 80kV 100mA)
Exposure Time Range	0.01s - 3.0s
Mains Power Voltage	150V AC - 260V AC
Focal Spot	2.0mm IEC
Weight	< 120 kG
Technology	HF DC Generator
Controls	Touch User interface



### SALIENT FEATURES

- > Real Time Digital X-Ray
- > Wireless Detector & X-Ray Unit
- > High Manoeuvrability
- > High Brightness LED Collimation
- > Battery Option
- > Powerful High Frequency DC generator
- > Integrated Touch Panel Interface

### SAFETY FEATURES

- > Wide Mains Voltage Tolerance
- > Low Leakage Radiation
- > Active Over-Load Protection
- > Adaptive Cooling Period
- > Digital Close Loop Control