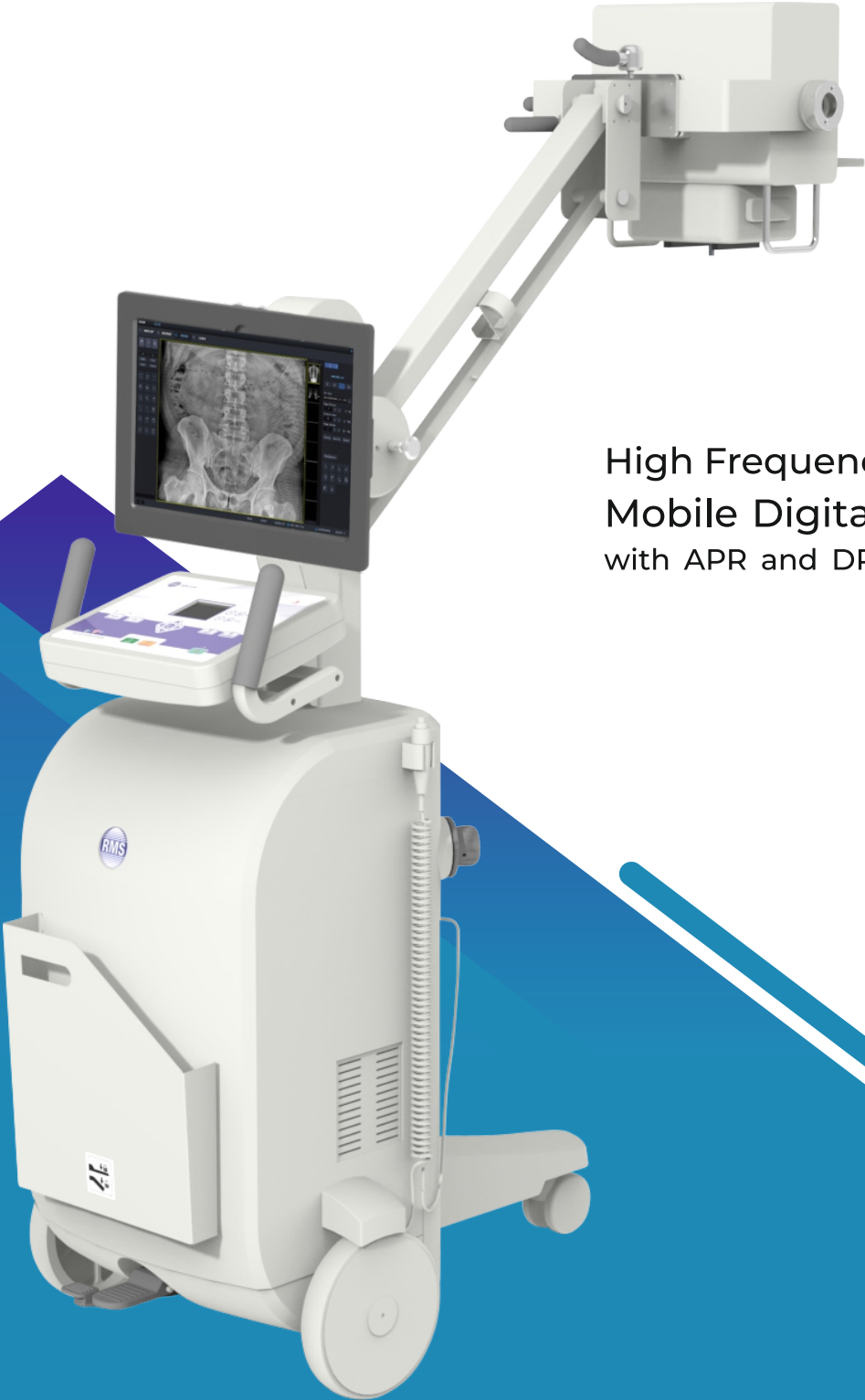


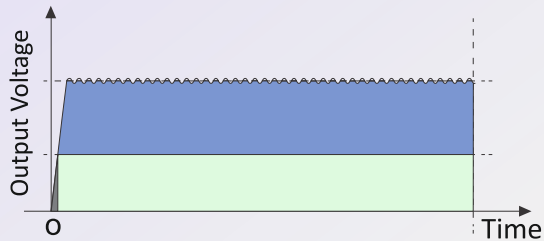
**RAD<sub>X</sub>** | HFX 5



High Frequency 5kW  
Mobile Digital X-ray  
with APR and DR system

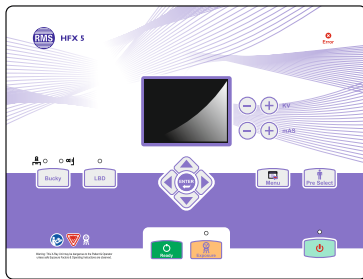
RADIOLOGY

**HFX 5** is a compact mobile X-ray machine based on advanced High Frequency DC output X-ray generation technology, which ensure superior image quality at lower exposure settings.

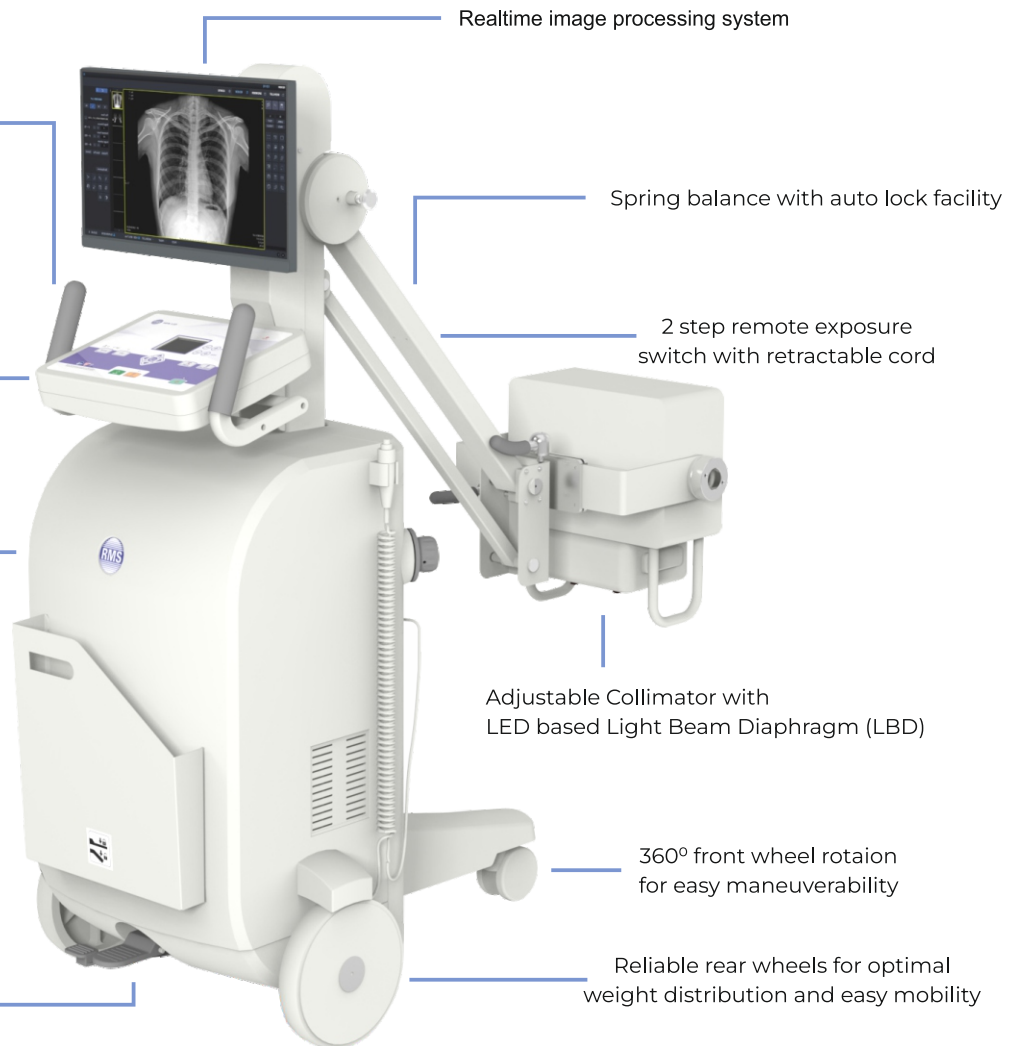


HF X-ray generator use the frequency-inverter-rectifier technology, to produce near constant potential

- Digital console with colour TFT display and soft touch keypad
- Minimal skin dose due to lower exposure factors (radiation safety both for patient and operator)
- Sleek, ergonomic design, lightweight and easy maneuverability with small footprint
- In-built Anatomically programmed radiography (APR) with anatomical details for high image quality
- Spring balance movement of X-ray tube head provides ease of positioning
- Digital selection of independent radiographic parameters of kV and mA
- Operational use with 100mA and 110kV output
- Comfortable operations to support exposure workflow
- Ease of mobility in wards with effective braking system



User friendly digital control panel



Realtime image processing system

Spring balance with auto lock facility

2 step remote exposure switch with retractable cord

Adjustable Collimator with LED based Light Beam Diaphragm (LBD)

360° front wheel rotation for easy maneuverability

Reliable rear wheels for optimal weight distribution and easy mobility

Efficient foot brake

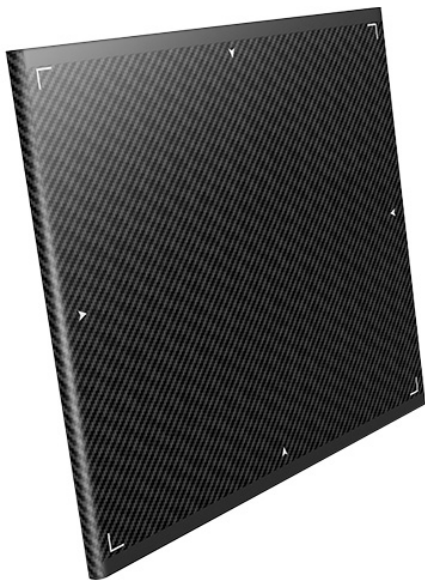
Non-conductive, high strength cabinet

Storage space for cassette holder, grid, notepad and accessories

Drive handle with soft grip

# DR Digital X-ray Detector

## Plug & Play



- Portable digital flat panel detector
- 17" x 17" active area
- Long life battery
- High SNR and Low Noise at lower dose
- Faster image acquisition in less than 3 second
- Large on-board storage memory
- Add on reduced patient dosage
- Wire / Wireless image transfer
- Light weight with enhanced durability
- Reliable high-performance imaging
- High sensitive AED function

## Flat Panel X-ray Detector



Dual Battery



Status Monitoring OLED



Low Dose IGZO TFT



Enhanced AED<sup>®</sup>



Extended Battery Life



Durable Design



Dust and Water Proof



## Realtime Image Display

# HFX 5 - Technical Specifications

Output rating	5 kW
kV range	40 - 110 kV (1 kV/step)
mA range (current)	10 - 100 mA
mAs range	1 - 250 mAs (25 steps)
Time range	0.01 - 2.2 sec (25 steps)

## General

X-ray tube	Stationary anode with dual focus spot
Focal spot	Large size 1.8 mm <sup>2</sup>
Collimator	Manual, Light Beam Diaphragm (LBD)
Generator	40 Khz
Stands	Spring Balance Mobile (SBM) Fixed Stand (FS) optional

## Tube Head Positioning

Minimum focal spot height	590 mm
Maximus focal spot height	1902 mm
Vertical travel	1312 mm
Maximum horizontal extension	1050 mm
Swing movement	± 90°
Rotation movement	± 90°
Arm movement	± 61°

## Control Panel

Display	Color TFT
Input	Soft touch keypad

## Power Supply

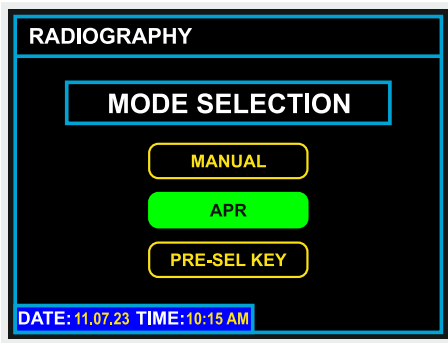
Input voltage	230 Volts AC ±10V, 50 Hz. Single Phase, 15A ±10%, regulation with independent earthing, line resistance < 0.4 ohms
Power requirements	4.3KVA

## Mechanical

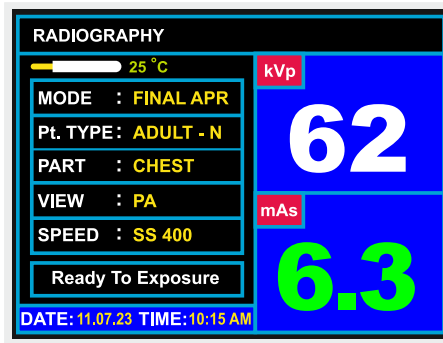
Dimension (in mm)	1355 (L) x 640 (W) x 1550 (H) in locked position
Weight	150 kg (approx.)

## Flat Panel X-ray Detector

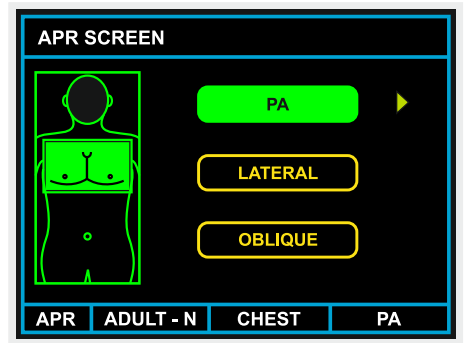
Sensor	a-Si TFT array Flat Panel Detector
Sensor Pixel	2,560 x 3,072 (7.8 M pixels)
Image Data	14 bit / 16 bit
Calibration Mode	Automatic and Manual
Data transfer time	Less than 1 sec
Voltage	AC 100-240V, 50/60Hz, DC 18V 3.5A
Battery	Lithium Ion Polymer



Radiography Mode

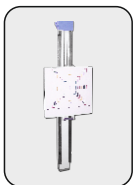


APR Mode



Anatomical Program

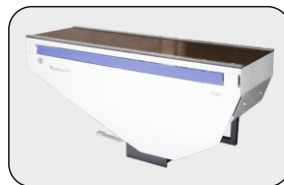
## Choice of X-ray examination Table



Vertical Bucky



Horizontal Bucky Table  
HRT



5 position Manual Tilt Table  
MPT

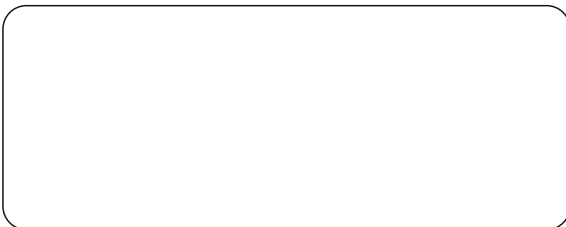


Horizontal Table with Floating Top  
HFT



Motor driven table  
MDT

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation



ISO 9001:2015 EN ISO 13485:2016 AERB

BIS

13485

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