
Saturn PX Portable DR X-ray Kit

Field Portable DR X-ray System
with Flat Panel Detector Package



Saturn PX Portable DR X-ray Kit includes a 10" x 12" or 14" x 17" slim portable flat panel detector set in a rugged wheel case and a portable x-ray system. The FPD features NMI's unique wireless communication method, AP mode. It allows users to directly connect to the detector with laptops, tablet PCs and even smart phones without SCU. The rugged wheel case ensures easy transportation and protects your valuable equipment. The portable X-ray features an elegant outlook and durable design. Compact, lightweight, and with various models ranging from 1.6KW to 5KW.

SATURN PX

Saturn PX Portable X-ray Kit

Field Portable X-ray System with Flat Panel Detector Package for Human and Vet Use

SATURN PX

Features

- * The FPD is compatible with mobile x-ray imaging equipment from multiple suppliers
- * Ideal for practice in the field
- * Durable water and dust resistant carrying case protects your valuable equipments
- * Easier transportation with wheel case
- * Available with multiple detector models



Flat Panel Detector Specification

Model	FXRD-1012NW	FXRD-1417N
Application	General radiography, neonatal, ENT, equine and cephalometry	
Technology	Flat panel detector : a-Si TFT with PIN diode	
Scintillator	CsI:TI / Gd ₂ O ₂ S:Tb	
Pixel Pitch	124um x 124um	140um x 140um
Spatial Resolution	4 lp/mm	Min. 3.5 lp/mm
Pixels	2,048 x 2,560 pixels	2,560 x 3,072 pixels
Image Size	10 x 12 inches (25 x 32cm)	14 x 17 inches (35 x 43cm)
A/D Conversion	16 bit	
Grayscale	65,536 steps	
X-ray Voltage Range	40 ~ 150kVp	
X-ray Generator Interface	Line trigger : DR Trigger Mode Auto trigger : AED (Automatic Exposure Detection) Mode	
Wireless Interface	IEEE 802.11n (2.4GHz/5GHz dual band)	IEEE 802.11n/ac (2.4GHz/5GHz dual band)
Image Acquisition	1 sec (Wired), 3 sec (Wireless)	1.5 sec (Wired), 3 sec (Wireless)
Dimensions	350 (W) x 287 (L) x 15 (T) mm	384 (W) x 460 (L) x 15 (T) mm
Weight	Approx. 2.1kg	Approx. 2.9kg
Operating Environment	15 ~ 35°C, 30 ~ 85% RH (non-condensing)	
Operating Time	6 hours (Capturing Time), 8 hours (Standby) – without sleep mode	
Power	Wired: DC24V, Max. 17W, 1.0A Wireless: 3,100mAh x 2 Lithium Ion Batteries	

Portable X-ray Specification

Model	Saturn PX16	Saturn PX24	Saturn PX28	Saturn PX32	Saturn PX40	Saturn PX50
Max Output Power	1.6KW	2.4KW	2.8KW	3.2KW	4KW	5KW
Generator Frequency	100KHz	70KHz	70KHz	70KHz	70KHz	70KHz
kV Range	40~90KV	40~100KV	40~120KV	40~100KV	40~110KV	50~120kV
mA Range	12~30mA	16~40mA	12~40mA	25~60mA	20~80mA	0.4~200mAs
Focal Spot	1.2mm ²	1.2mm ²	1.2mm ²	2.0mm ²	1.8mm ²	1.8mm ²
Target Angle	19 °	16 °	16 °	16 °	15 °	15 °
Anode Heat Storage	10KHU	50KHU	50KHU	40KHU	42KHU	42KHU
Input Voltage	110V / 220V	110V / 220V	110V / 220V	200V / 240V	200V / 240V	200V / 240V
Phase/Frequency			Single / 50~60Hz			
Dimension (mm)			335*153*330			
Packing Size			520*400*330			
Net weight	6.8KG	11KG	12KG	12KG	12KG	12KG
G-weight	20KG	22KG	22KG	22KG	22KG	22KG

* Specifications are subject to change without prior notification.

FDA Approved  

Office

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