
Saturn 8000 10x12N

Versatile Portable Flat Panel Detector
for Digital Radiography



Saturn 8000 10x12N is NMI's new portable flat panel detector for digital radiography in various applications such as neonatal, ENT, equine, and cephalometry, etc. with active area of 10" x 12". Its 124um pixel TFT sensor gives high resolution image and its Wi-Fi communication system provides fast wireless transfer speed. It enables users to directly connect to the detector with laptops, tablet PCs and even smart phones. Furthermore, it offers reliable automatic X-ray exposure detection, enables users to perform examination with any kinds of X-ray systems. The product is available in both CsI and GADOX scintillator types.

SATURN 8000

Features

- * Active area of 10" x 12"
- * Various applications such as neonatal, ENT, equine and cephalometry
- * High spatial resolution with 124um pixel array
- * Wi-Fi data transfer with dual band (2.4GHz and 5GHz)
- * Stable and reliable automatic exposure detection
- * Direct communication with smart devices
- * Viewer software running on Windows™ OS (DxWorks)

Drawing



Configuration
Detector
System Control Unit
Charger

Technical Specification

Application	General radiography, neonatal, ENT, equine and cephalometry
Technology	Flat panel detector : a-Si TFT with PIN diode
Scintillator	CsI:Tl / Gd ₂ O ₂ S:Tb
Pixel Pitch	124um x 124um
Spatial Resolution	4lp/mm
Pixels	2,048 x 2,560 pixels
Image Size	10 x 12 inches (25 x 32cm)
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)
Image Acquisition	1 sec (Wired), 3 sec (Wireless)
Dimensions	350 (W) x 287 (L) x 15 (T) mm
Weight	Approx. 2.1kg (GADOX) / 2.2kg (CsI)
Operating Environment	15 ~ 35°C, 30 ~ 85% RH (non-condensing)
Power	DC24V, 0.7A, Max. 17W
Battery	Lithium Ion / 3,100mAh

* Specifications are subject to change without prior notification.

FDA Approved  

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