Saturn 8000 14x17 Wired

Portable Flat Panel Detector
For Digital Radiography

Saturn 8000 14x17 Wired is a NMI's flat panel digital radiography cassette system with 14" x 17" coverage area for general radiographic applications using its unique image processing system and proprietary flat panel detector. With the same size as a film or a CR cassette, it is an excellent solution for upgrading conventional X-ray system. User friendly imaging software, DxWorks is compliant with DICOM 3.0 standard and provides consistent image quality at a dramatically reduced dose and faster image information with optimized algorithm for each different study. It only takes a few simple steps to acquire and transmit images to the DICOM server through Gigabit Ethernet.

SATURN 8000

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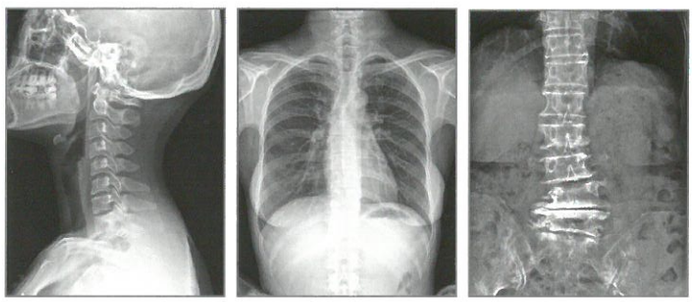
Features

* Wide active area of 14" x 17"
* High spatial resolution with 140um pixel array
* Stable and reliable automatic exposure detection
* Viewer software running on Windows™ OS (DxWorks)
* Communication interface through Gigabit Ethernet (1000 BASE-T)
* Simple and easy integration with all kinds of digital radiography system

Configuration
Detector
System Control Unit

Acquired Images



Drawing

Technical Specification

Application	General radiography
Technology	Flat panel detector : a-Si TFT with PIN diode
Scintillator	CsI:Tl / Gd_2O_2S:Tb
Pixel Pitch	140um x 140um
Pixels	2,560 x 3,072 pixels
Image Size	14 x 17 inches (35 x 43cm)
A/D Conversion	14 bit
Grayscale	16,384 steps
X-ray Voltage Range	40 ~ 150kVp
X-ray Generator Interface	Line trigger : DR Trigger Mode Auto trigger : AED (Automatic Exposure Detection) Mode
Data Interface	Gigabit Ethernet (1000BASE-T) via PoE (Power over Ethernet)
Extension Cable	GigE communication and power supply (7m)
Dimensions	460 (W) x 384 (L) x 15 (T) mm
Weight	Approx. 2.9kg (GADOX) / 3.1kg (CsI)
Operating Environment	15 ~ 35°C, 30 ~ 85% RH (non-condensing)
Power	DC24V, 0.5A

* Specifications are subject to change without prior notification.

FDA Approved CE 0434 c UL us

Office

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