VIVIX-S 1012N

Versatile Portable Flat Panel Detector for Digital Radiography

VIVIX-S 1012N is Vieworks' 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 features Vieworks' unique wireless communication method, Inside AP™ which 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, Anytime™ which enables users to perform examination with any kinds of X-ray systems. It is a perfect blending of state-of-the-art technologies in medical engineering, optics, electronics and information technologies with brilliant hardware and software design. The product is available in both CsI(1012NAW) and GADOX(1012NBW) scintillator types.

VIVIX

Features

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

Drawing

287

350

15

Configuration

Detector	FXRD-1012NAW/NBW
System Control Unit	FXRS-04A/B
Charger	FXRC-02A

Designed and manufactured by Vieworks in Korea

Technical Specification

Application	General radiography, neonatal, ENT, equine and cephalometry
Technology	Flat panel detector : a-Si TFT with PIN diode
Scintillator	CsI:Tl / Gd_2O_2S: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℃, 30 ~ 85% RH (non-condensing)
Power	DC24V, 0.7A, Max. 17W
Battery	Lithium Ion / 3,100mAh

* Specifications are subject to change without prior notification.

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