



DESIGN
AWARD
2018

VIVIX-S 1417N

Wireless Portable Flat Panel Detector for Digital Radiography



anytime™

Stable and reliable AED
(Automatic Exposure
Detection)



inside AP™

Fast wireless
communication



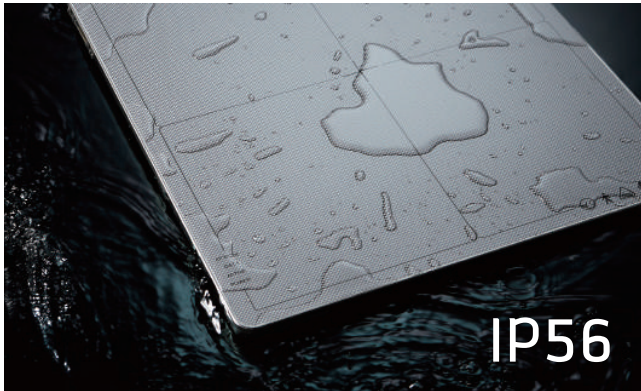
Supreme image
quality



IP56 Rating

Waster and Dust Resistant
Rating

IP56 – Water Resistant and Dustproof



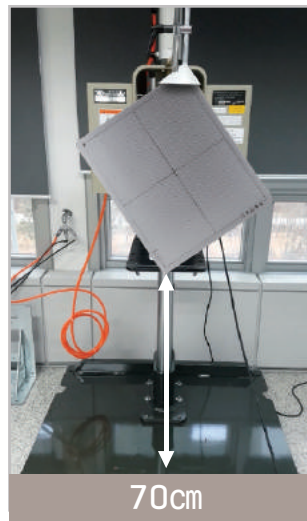
X-ray detectors may be used in the harsh environment exposed to water and dust. Ensuring the stable operation of the product in any circumstance, VIVIX-S 1417N conforms to the water and dust resistance rating IP56.

More durable product design will provide you with the superior values: better usability, more stable operation and low maintenance cost.

Enhanced Durability – Reliable Usage in Any Environment

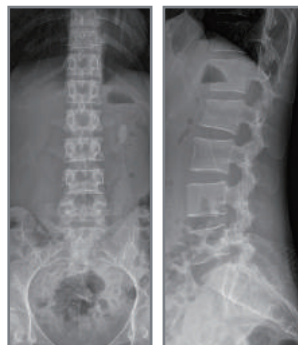
VIVIX-S 1417N is designed with robust mechanical parts to provide better product durability. In order to ensure the product quality, we comply with our strict internal reliability test process.

- Repeat 30,000 times to test impact/torsional reliability
- Drop from 70cm (2.3 ft)
- Uniform load (over the whole surface): Max. 300kg
- Local load (center diameter 40mm): Max. 150kg
- Operation Temperature: +10°C – +35°C
- Operation Humidity: 30 – 85% (Non-condensing)



High Image Quality

High DQE & MTF – Best Image Quality

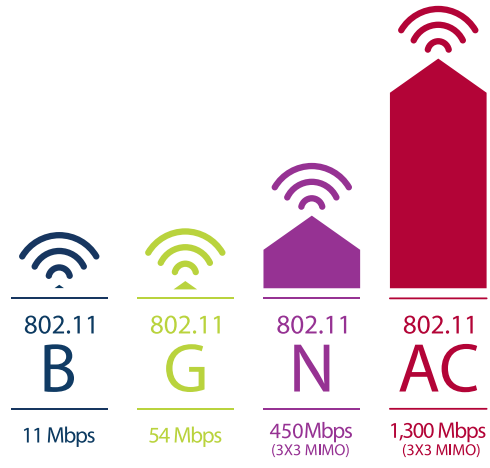


High Speed, Better Productivity

802.11ac – Faster and More Stable Wireless Transfer

VIVIX-S 1417N's built-in wireless communication supports IEEE 802.11ac to acquire images without a wired connection in anytime and anywhere.

3 powerful high-gain internal antennas give wider coverage and better performance.



* 802.11ac is 3 times faster than 802.11n.

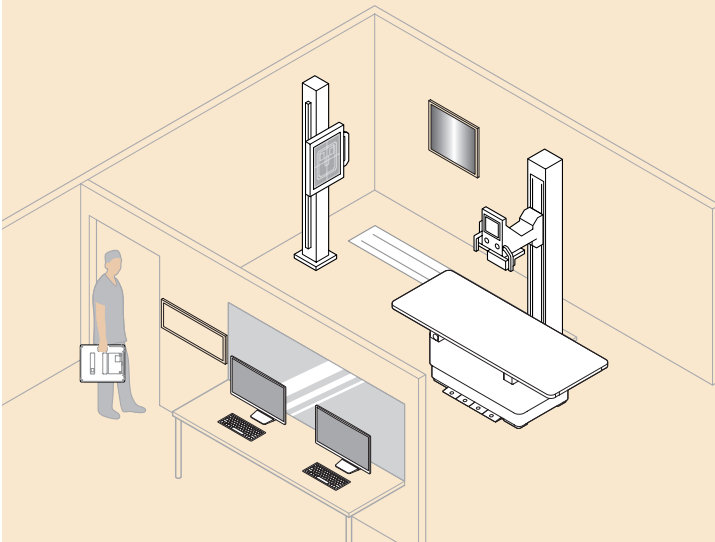
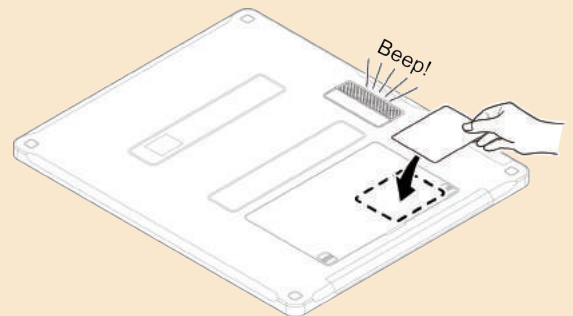
NFC – Change the Setting of Detector at Once

A Single detector can be shared and used in multiple X-ray shooting rooms. The NFC function allows you to change the interlocking with each device in the rooms quickly and easily. It gives you true mobility, using one detector in different environments.



1 Bring your detector to the place you want to use

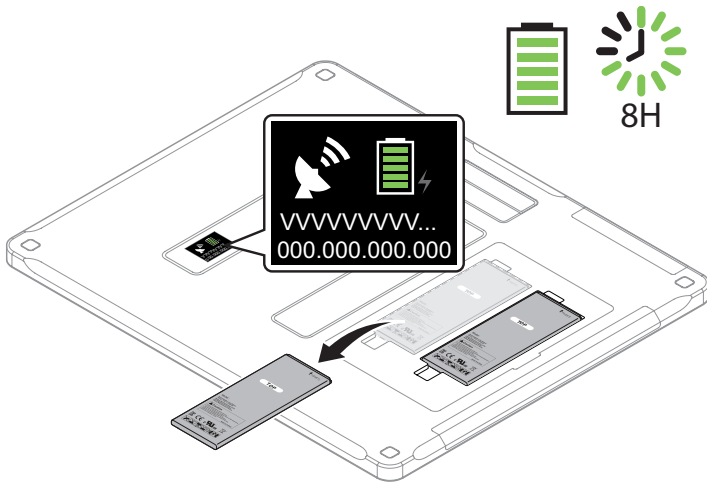
2 Tag NFC Card



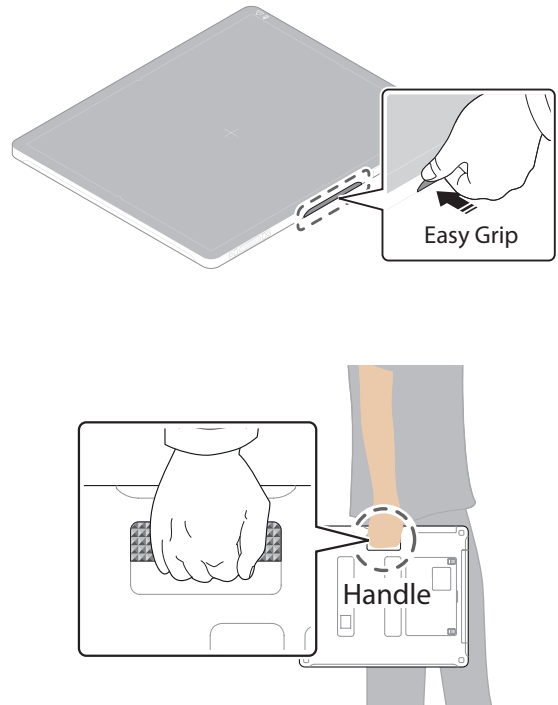
Perfect Solution for Multiple Configuration & Mobile Use

Double Batteries – Covering Full-time (Work hours)

2 lithium ion battery packs run the system continuously for over **8 hours** (**16 hours** in sleep mode). It can be 'hot swapped', and VIVIX-S 1417N batteries are absolutely compatible with all of the other N series.



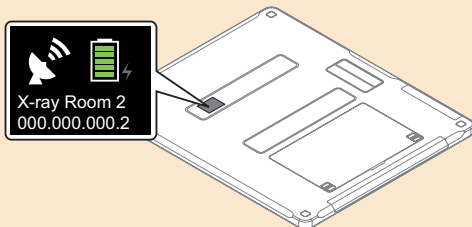
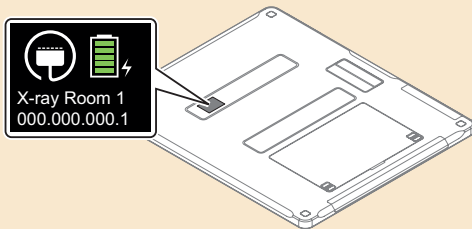
Ergonomic & Lightweight Design – Easy Mobility and Enhanced Control



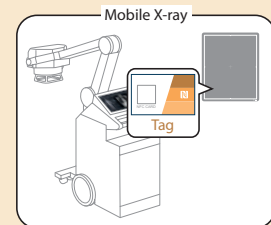
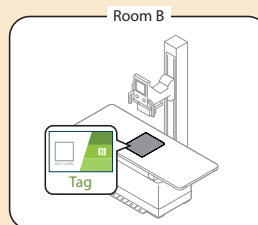
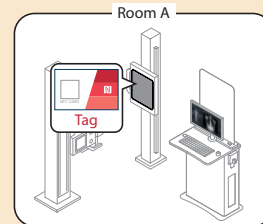
NFC – Change the Setting of Detector at Once (Continue)



3 Preset setting (IP address, SSID, exposure mode..etc.) is automatically changed



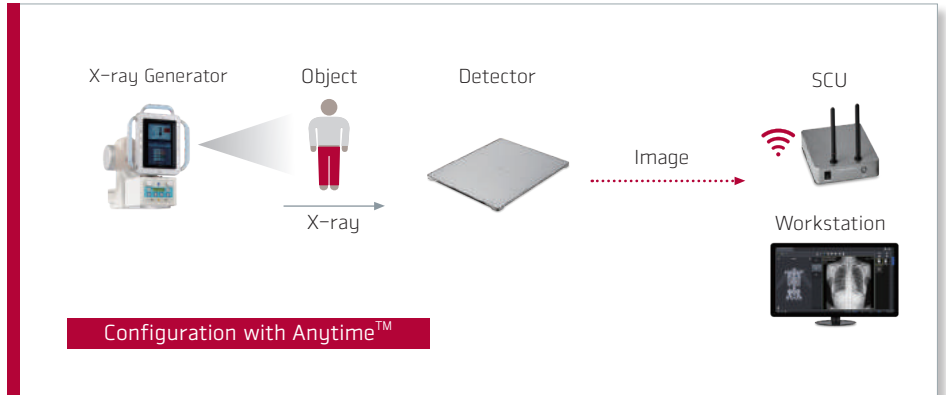
4 Enjoy sharing one detector in different environments!



Technologies

The Most Stable and Reliable AED (Automatic Exposure Detection)

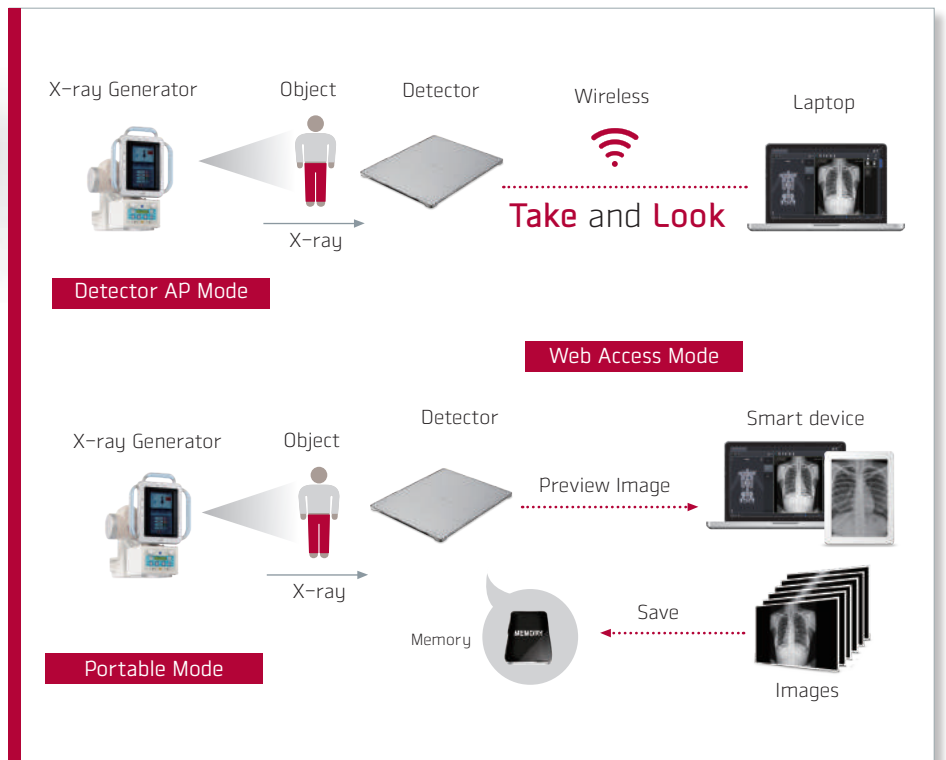
In order to provide high image quality, a detector should respond quickly with X-ray generator. Vieworks' stable and reliable AED function enables users to operate the detector without any wire connection or electronic interface with X-ray generator.



anytime™

Wireless Access Point

Wireless access point inside the detector makes it truly portable. Users can operate the detector through laptop or workstation. The detector can save the achieved images up to 200.





Technical Specifications

Model Name	FXRD-1417NAW / FXRD-1417NBW
Application	General Radiography
Technology	a-Si TFT with PIN diode
Scintillator	CsI:Tl / Gd ₂ O ₂ S:Tb
Pixel Pitch	140µm
Spatial Resolution	3.5lp/mm
Pixels	2,560 x 3,072 pixels
Image Size	358.4mm x 430.08mm
Grayscale	16 bit
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, IEEE 802.11a/b/g/n/ac (2.4GHz / 5GHz dual band)
Image Acquisition Time	1.5 sec (wired) / 3 sec (wireless)
Dimensions	384mm x 460mm x 15.0mm
Weight	Approx. 2.9kg
Operating Environment	10°C – 35°C, 30 – 85% RH (non-condensing)
Storage & Transportation Environment	-15°C – 55°C, 10 – 90% RH (non-condensing)
Power	DC 24V, 1.0A (Max.)
Battery	Lithium Ion 3,100mAh x 2 8 hours (Capturing), 16 hours (Sleep mode)
Degree of protection against ingress of water	IP56



SUPREME
IMAGE QUALITY



LIGHT &
PORTABLE



WATER RESISTANT



FAST SPEED

* Specifications are subject to change without prior notice.
* Standalone clinical images may have been cropped to better visualize pathology.

FDA Approved     

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