VIVIX-S 1417N

Multi-purpose Portable Flat Panel Detector for Digital Radiography

- The Most Reliable AED on Earth
- Excellent Temperature Stability
- Water and Dust Resistant Rating — IP56
- High Speed — IEEE 802.11a/b/g/n/ac with 3 antennas
- Extended Battery Life — 8 hours (Capturing), 16 hours (Sleep mode)
- Better Mobility — Ergonomic & Lightweight Design
- Easy Configuration – NFC

VIVIX

More Durable
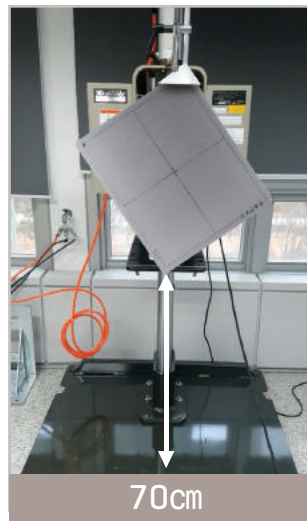
IP56 – Water Resistant and Dustproof

IP56

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.

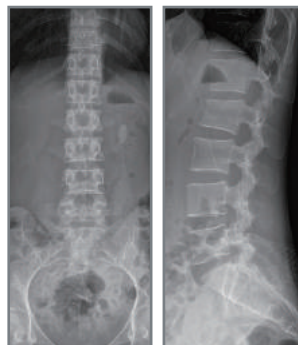### Enhanced Durability – Reliable Usage in Any Environment

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 70㎝ (2.3 ft)
- Uniform load (over the whole surface): Max. 300kg
- Local load (center diameter 40mm): Max. 150kg
- Operation Temperature: +10℃ – +35℃
- Operation Humidity: 30 – 85% (Non-condensing)

70cm

30,000 times

High Image Quality
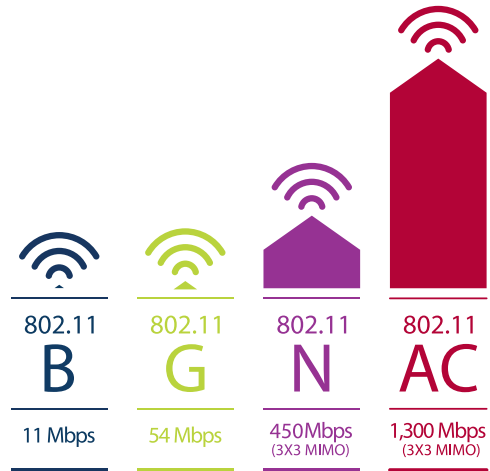
High DQE & MTF – Best Image Quality

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.

802.11 **B**	802.11 **G**	802.11 **N**	802.11 **AC**
11 Mbps	54 Mbps	450Mbps (3X3 MIMO)	1,300 Mbps (3X3 MIMO)

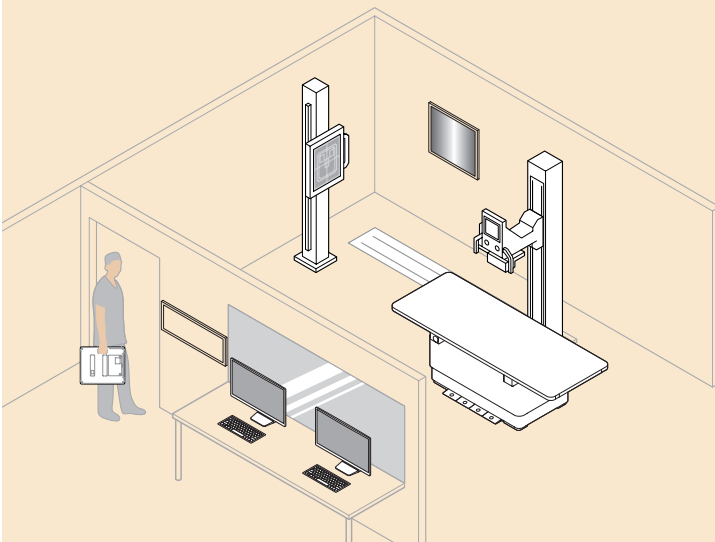* 802.11ac is 3 times faster than 802.11n.

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.
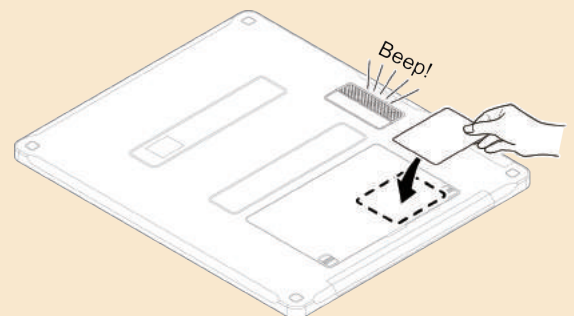
NFC™

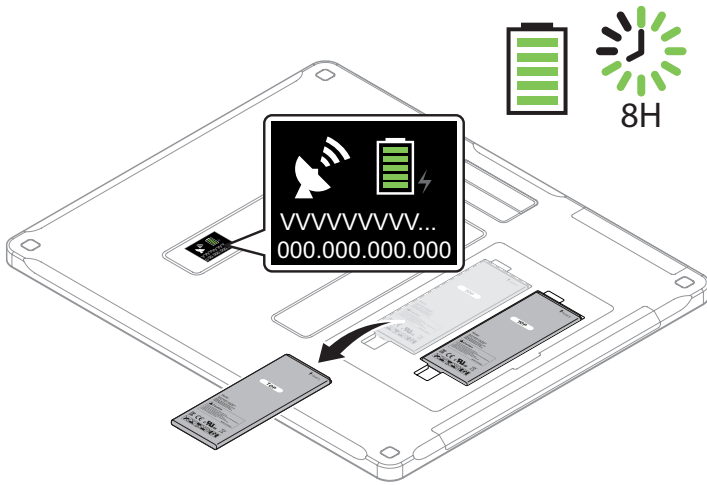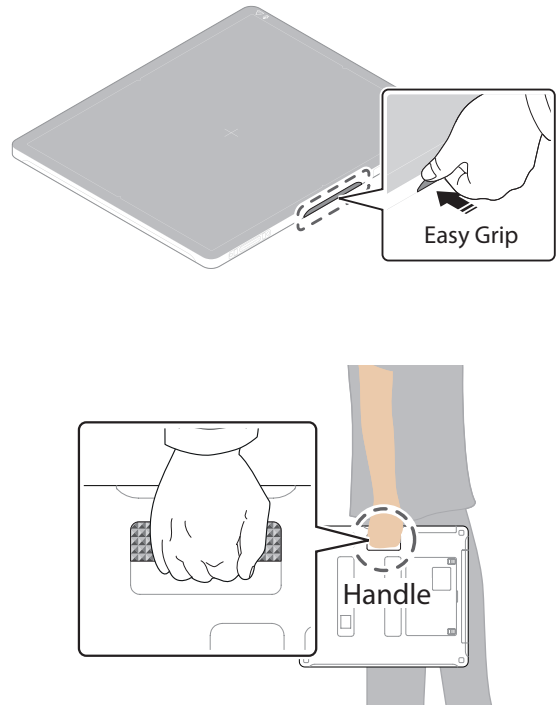**1** Bring your detector to the place you want to use

2 Tag NFC Card

Beep!

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.
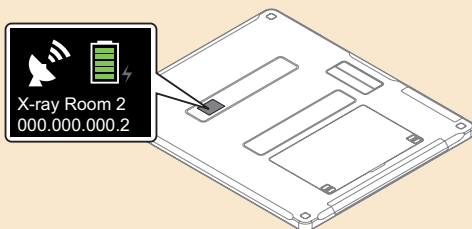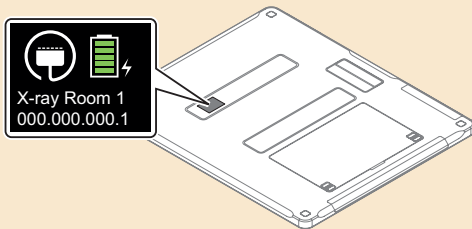

VVVVVVVV...
000.000.000.000

8H

Ergonomic & Lightweight Design –
Easy Mobility and Enhanced Control
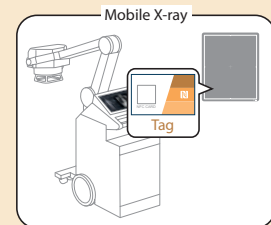

Easy Grip

Handle

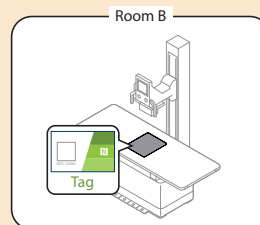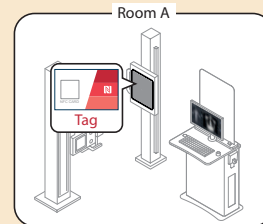# NFC – Change the Setting of Detector at Once (Continue)

NFC™

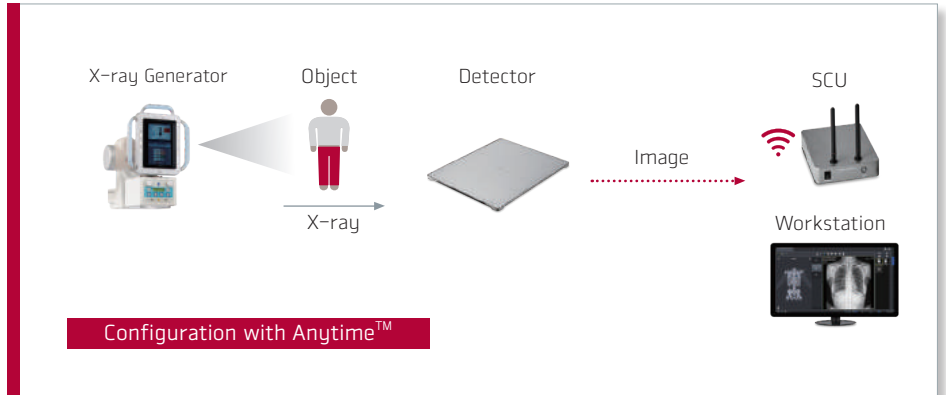**3** Preset setting (IP address, SSID, exposure mode..etc.) is automatically changed

X-ray Room 1
000.000.000.1

X-ray Room 2
000.000.000.2

4 Enjoy sharing one detector in different environments!

Room A

Tag

Room B

Tag

Mobile X-ray

Tag

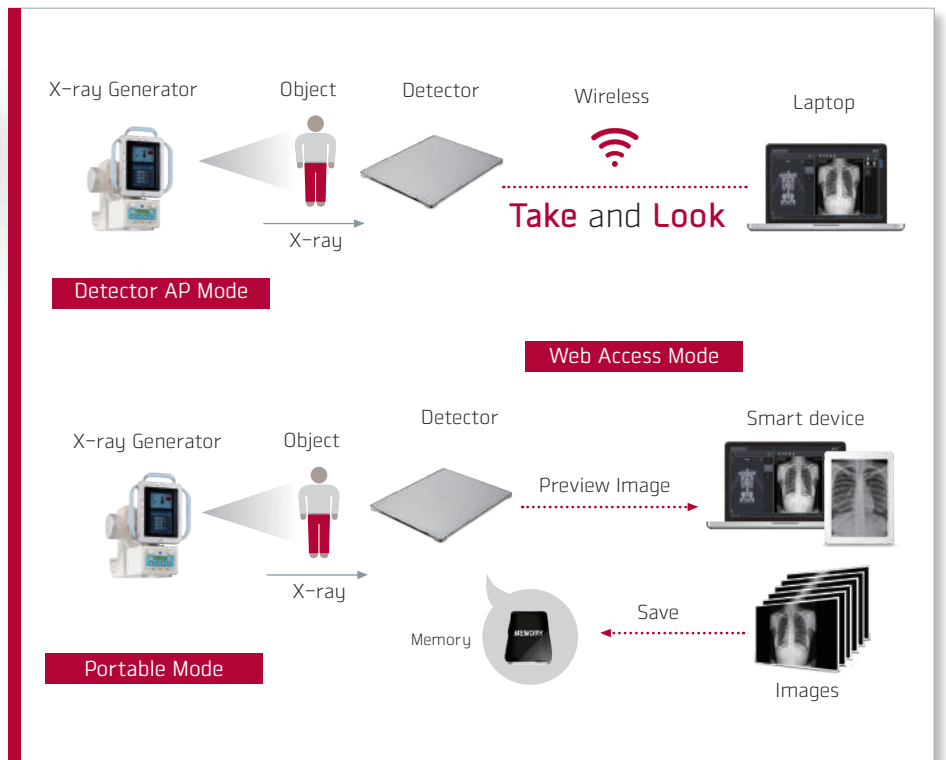## The Most Stable and Reliable AED (Automatic Exposure Detection)

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.

X-ray Generator　　Object　　Detector　　SCU

Image

X-ray

Workstation

Configuration with Anytime™

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.

X-ray Generator　　Object　　Detector　　Wireless　　Laptop

X-ray

Take and Look

Detector AP Mode

Web Access Mode

X-ray Generator　　Object　　Detector　　Smart device

Preview Image

X-ray

Save

Memory

Portable Mode

Images

inside AP™

Technical Specifications

Model Name	FXRD-1417NAW / FXRD-1417NBW
Application	General Radiography
Technology	a–Si TFT with PIN diode
Scintillator	CsI:Tl / Gd_2O_2S:Tb
Pixel Pitch	140㎛
Spatial Resolution	3.5lp/㎜
Pixels	2,560 x 3,072 pixels
Image Size	358.4㎜ x 430.08㎜
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	384㎜ x 460㎜ x 15.0㎜
Weight	Approx. 2.9kg
Operating Environment	10℃ – 35℃, 30 – 85% RH (non–condensing)
Storage & Transportation Environment	-15℃ – 55℃, 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 CE 2460 KFDA CLASSIFIED cULus Health Canada FC

MEDLINK
IMAGING

a vieworks company

2018/11