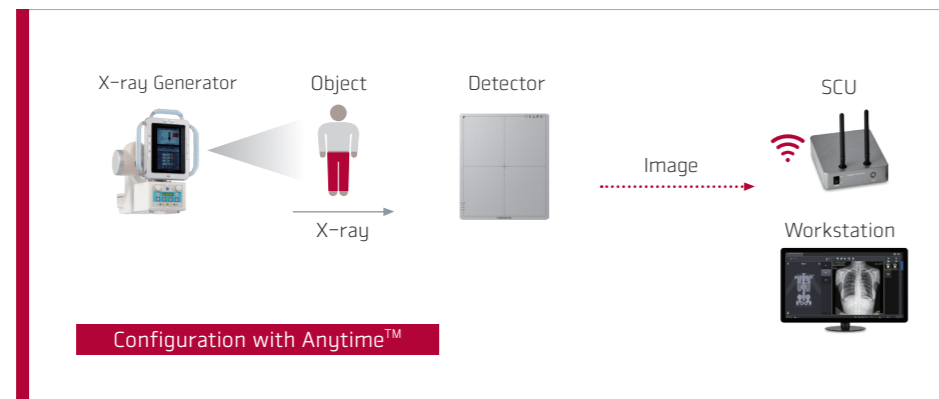## The Most Stable and Reliable AED (Automatic Exposure Detection)
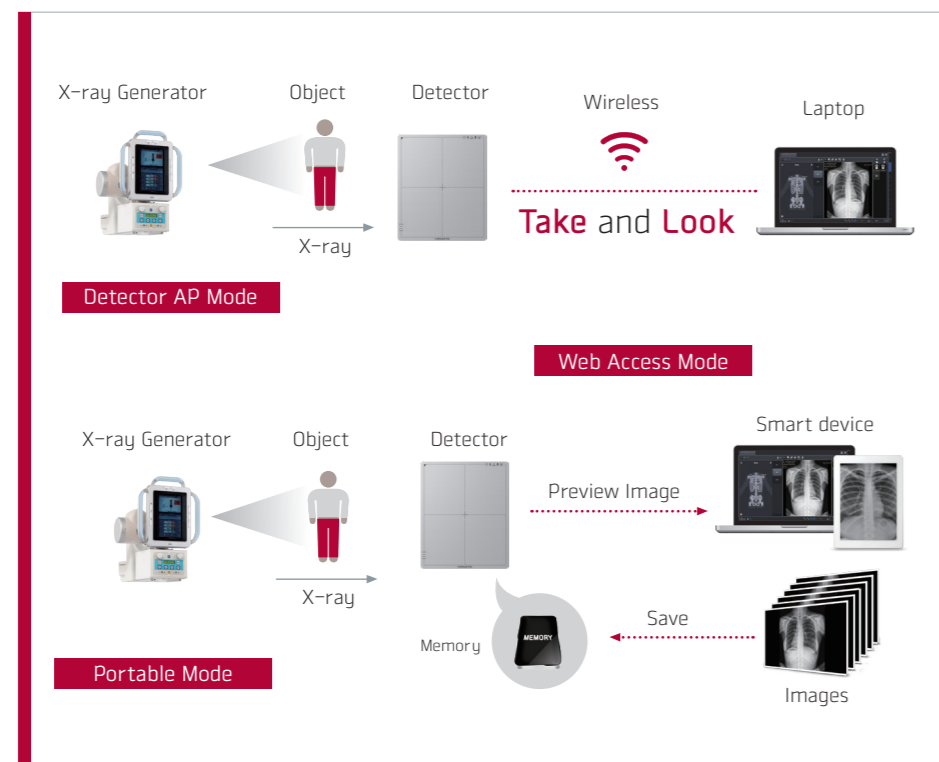
In order to provide high image quality, a detector should respond quickly with X-ray generator. Vieworks' stable and reliable AED function enables users to operate the detector without any wire connection or electronic interface with X-ray generator.

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

Images

Portable Mode

inside AP™

Technical Specifications

Model Name	FXRD-1417NAW / FXRD-1417NBW
Technology	a-Si TFT with photodiode
Scintillator	CsI:Tl / Gd₂O₂S:Tb
Pixel Pitch	140 μm
Spatial Resolution	3.5 lp/mm
Pixels	2560 x 3072 pixels
Image Size	14" x 17" (35.8 ㎝ x 43.0 ㎝)
Grayscale	16 bits
Image Acquisition Time	Wired: 1.5 s / Wireless: 3 s
Recommended Cycle Time	10 s
Data Interface	Gigabit Ethernet / IEEE 802.11 n / ac
X-ray Generator Interface	Line trigger : DR trigger Mode / Auto trigger : AED Mode
Dimensions	38.4 ㎝ x 46.0 ㎝ x 1.5 ㎝
Weight	2.9 kg (including battery)
Battery	Lithium Ion 3100 mAh x 2 / 8 h (capturing)
Dust and Water Resistant	IP56
X-ray Voltage Range	40 kVp to 150 kVp
Operating Environment	10 ℃ to 35 ℃ / 30 % to 85 % RH (non-condensing)
Power	DC 24 V, 1.0 A

※ Specifications are subject to change without prior notice.

FDA Approved   CE 2460   KFDA   c UL us   Health Canada   FC

SUPREME IMAGE QUALITY

LIGHT & PORTABLE

WATER PROOF

FAST SPEED

IP56
Dust and Water Resistant

vieworks
S1417N-E201810

VIVIX-S 1417N

Multi-purpose Portable Flat Panel Detector for Digital Radiography

• Dust and Water Resistant – IP56
• The Most Stable and Reliable AED
• High Speed – IEEE 802.11n/ac with 3 antennas
• Extended Battery Life – 8 hours (Capturing), 16 hours (Sleep mode)
• Easy Configuration – NFC
• Better Mobility – Ergonomic & Lightweight Design

VIVIX

More Durable

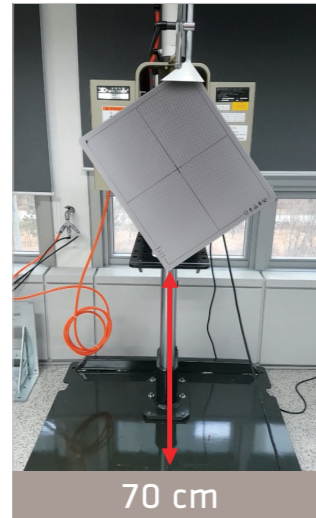### IP56 – Water Resistant and Dustproof

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.
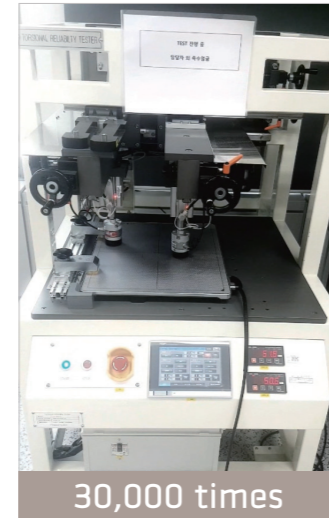
IP56

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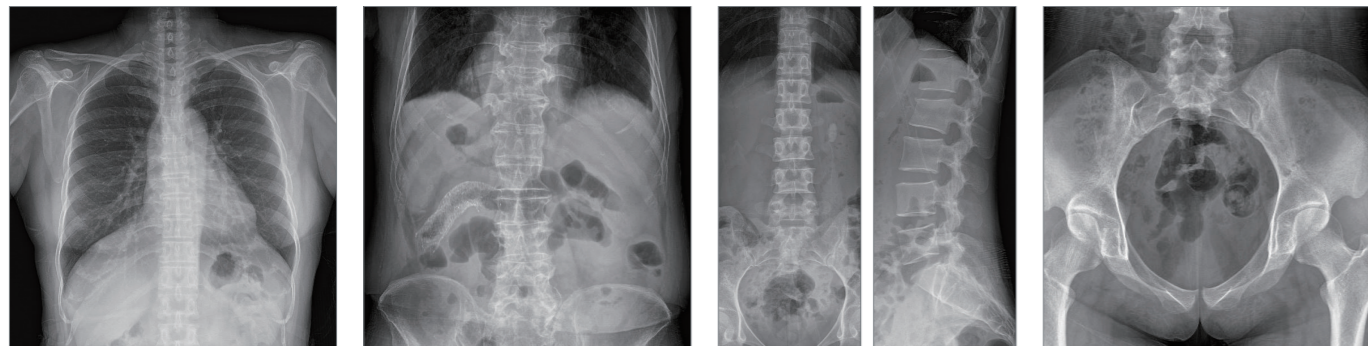- Operation Humidity: 30 % to 85 % RH (non-condensing)

70 cm   30,000 times

High Image Quality

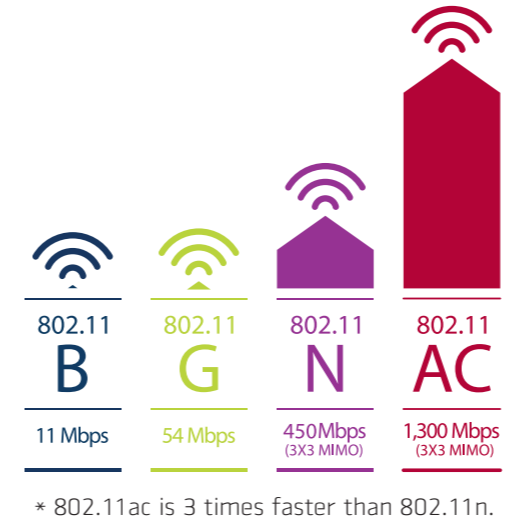### High DQE & MTF – Best Image Quality

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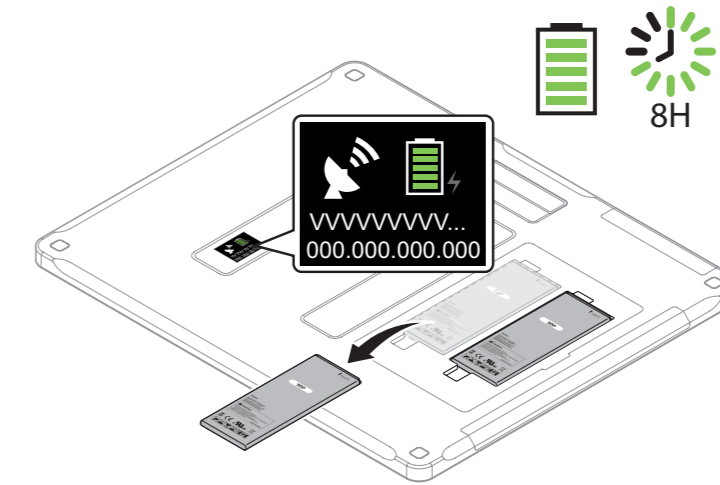
3 powerful high-gain internal antennas give wider coverage and better performance.

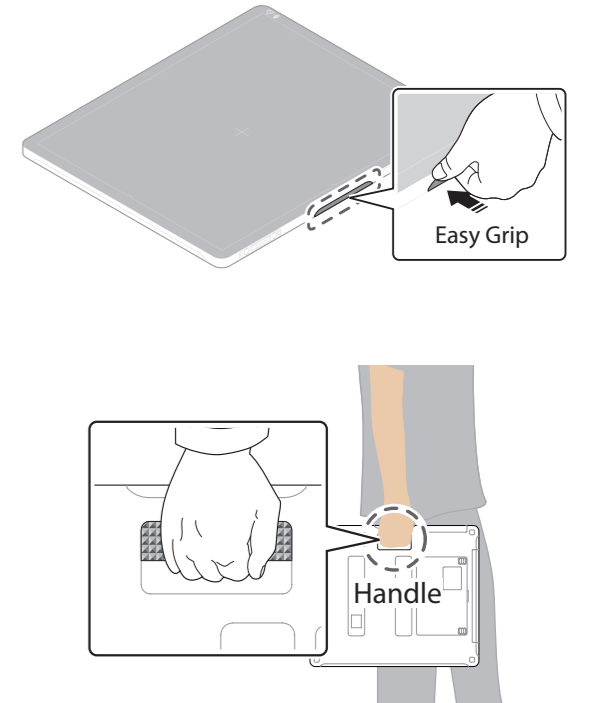| 802.11 B	802.11 G	802.11 N	802.11 AC
11 Mbps	54 Mbps	450Mbps (3X3 MIMO)	1,300 Mbps (3X3 MIMO)

* 802.11ac is 3 times faster than 802.11n.

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.

8H

vvvvvvvv... 000.000.000.000

Ergonomic & Lightweight Design – Easy Mobility and Enhanced Control

Easy Grip

Handle

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!

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