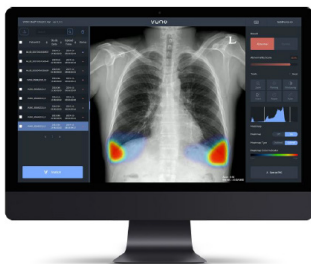# VUNO AI
# Portable X-ray Package

## Artificial Intelligence Embedded in the Portable X-ray

· VUNO provides an easy and fast AI based Chest X-ray analysis

· AI outcome will support medical professionals' decision making process

· This package will be effective when used in nursing homes, ICUs, Home Care Services, military bases, prisons, or anywhere hospital transfers to the radiology department may be difficult

**Quick AI analysis**

# 5 secs
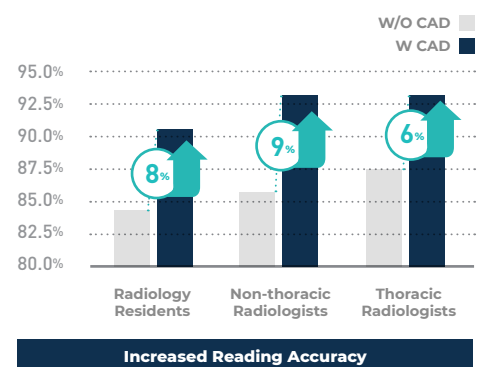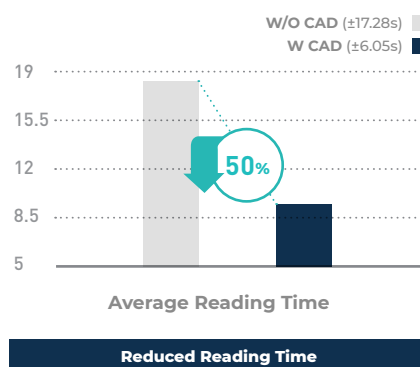
**No need for the internet connection**

**Package includes:**

- Wireless X-ray detector
- Hand held portable X-ray generator
- Chest X-ray AI Software

## VUNO Chest X-ray AI

· CE Marked

· AI will detect 5 lesions on the Chest X-ray Image
(nodule/mass, consolidation, interstitial opacity, Pleural effusion, Pneumothorax)

· Proven efficiency through clinical studies

W/O CAD (±17.28s)
W CAD (±6.05s)

50%

Average Reading Time

**Reduced Reading Time**

W/O CAD
W CAD

Radiology Residents — 8%
Non-thoracic Radiologists — 9%
Thoracic Radiologists — 6%

**Increased Reading Accuracy**

# VUNO AI
# Portable X-ray Package

## Wireless Detector with High Sensitivity

· High quality of image with high sensitivity
· Durable detector for outdoor
  - Water Resistance IP66
  - Drop Grade (up to 1.2M)

· Specification

| Type | Dimension | Weight | Pixel Pitch |
|---|---|---|---|
| 1417 WCC | 460 x 384 x 15 | 3kg | 140㎛ |
| 1717 WCC | 460 x 460 x 15 | 3.5kg | |

| Operating Time | | | |
|---|---|---|---|
| Typ. 4.5 | | | |

## Portable X-ray Generator

· For clear image quality, it provides max 80kV and 3mA
· Light weight 2.9kg
· Specification

| Tube Voltage | Tube Current | Exposure Time Range | Focal Spot Size |
|---|---|---|---|
| 40 ~ 80kV<br>(Increment : 1kV) | 3mA<br>(Fixed) | 0.1 sec ~<br>1.3 sec<br>(Increment: 0.1 sec) | 0.4mm |

## Workstation for Artificial Intelligence

· Specification

| Operating system | CPU | RAM | GPU |
|---|---|---|---|
| Windows 10 | Intel Core i7<br>Processors or more | 16GM<br>or more | 6GB<br>NVIDIA VRAM |