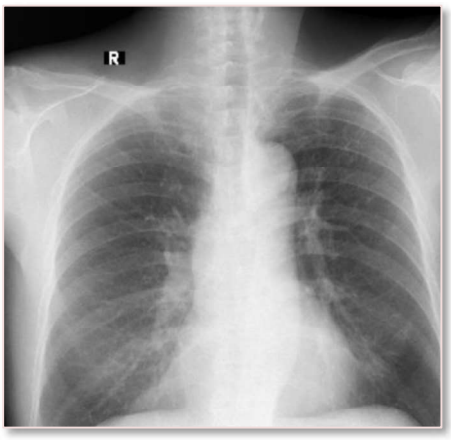
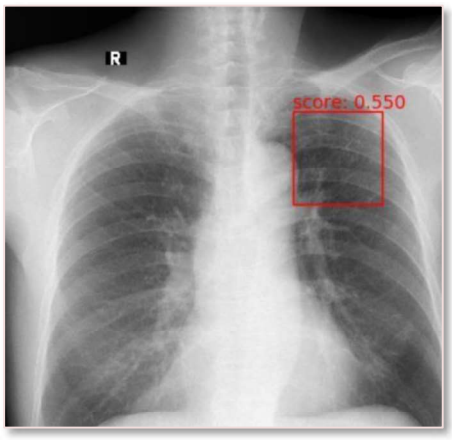
AXIR™-TB

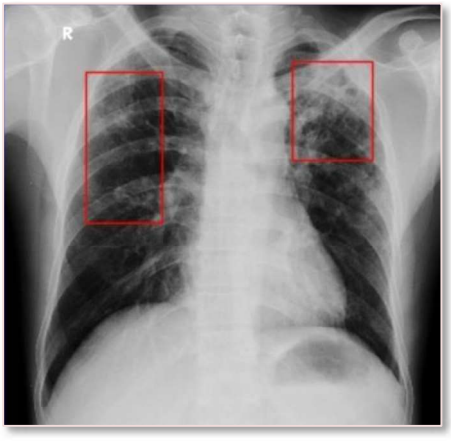
Automatic X-Ray Image Reader for TB

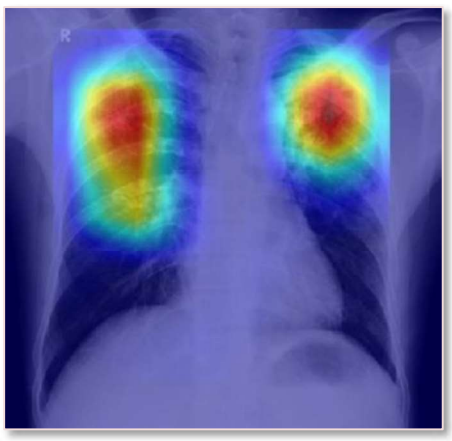
- Stand alone AI-assisted automatic X-Ray image reader
- Deep Learning based TB screening
- Over 95% Accuracy
- Reading time less than 20sec
- Easy to use
- Fast and Accurate Point-of-Care TB screening

AXIR™-TB









AXIR-CX™

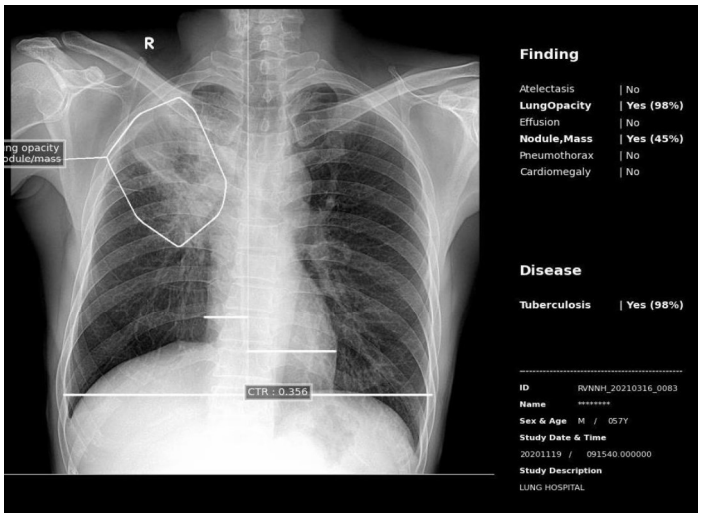
Standalone Automatic Chest X-Ray Image Reader

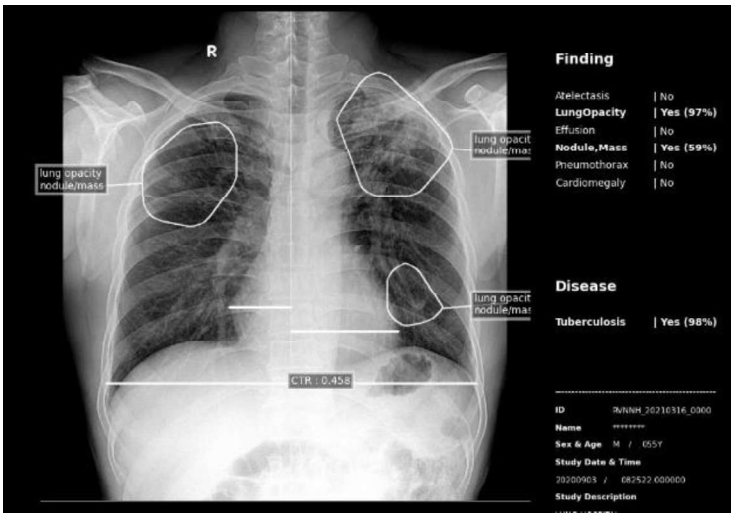
- Stand alone AI-assisted automatic X-Ray image reader
- CE Class 2 Certified
- Proprietary image processing and deep learning algorithm
- Fast and accurate point-of care screening of Chest X-ray abnormalities
- Provide location and probability of Chest X-ray abnormalities
- Reading time less than 10 sec
- Compatible with All Digital (DR), Computed (CR) Radiography system
- High Speed & Quality Image Processing
- DICOM 3.0 Compatible
- MWL SCU, DICOM storage SCU, MPPS, DICOM Print

AXIR-CX™

MIC
RadiSen

AI-Assisted Automatic Chest X-Ray Image Reading





Detect within 10 seconds after the shot;

Chest Abnormalities

- Atelectasis
- Lung opacity
- Effusion
- Mass
- Pneumothorax
- Cardiomegaly
- Tuberculosis
- Nodule

Diseases

- Tuberculosis
- Pneumonia

Others

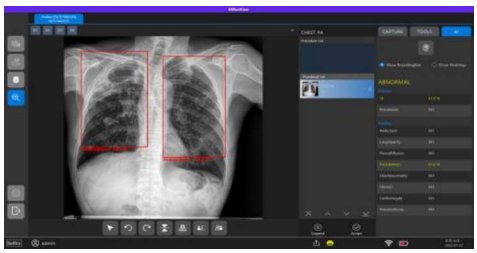
- Cardiothoracic Ratio

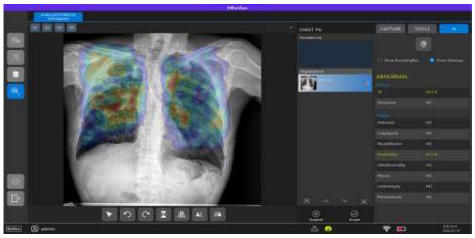
Lesions

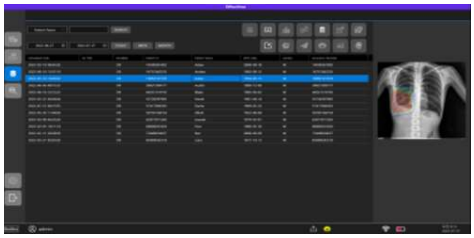
- Contour plot
- Heatmap
- Bounding Box

Integrable with

- Console viewer
- PACS viewer







Dirux View

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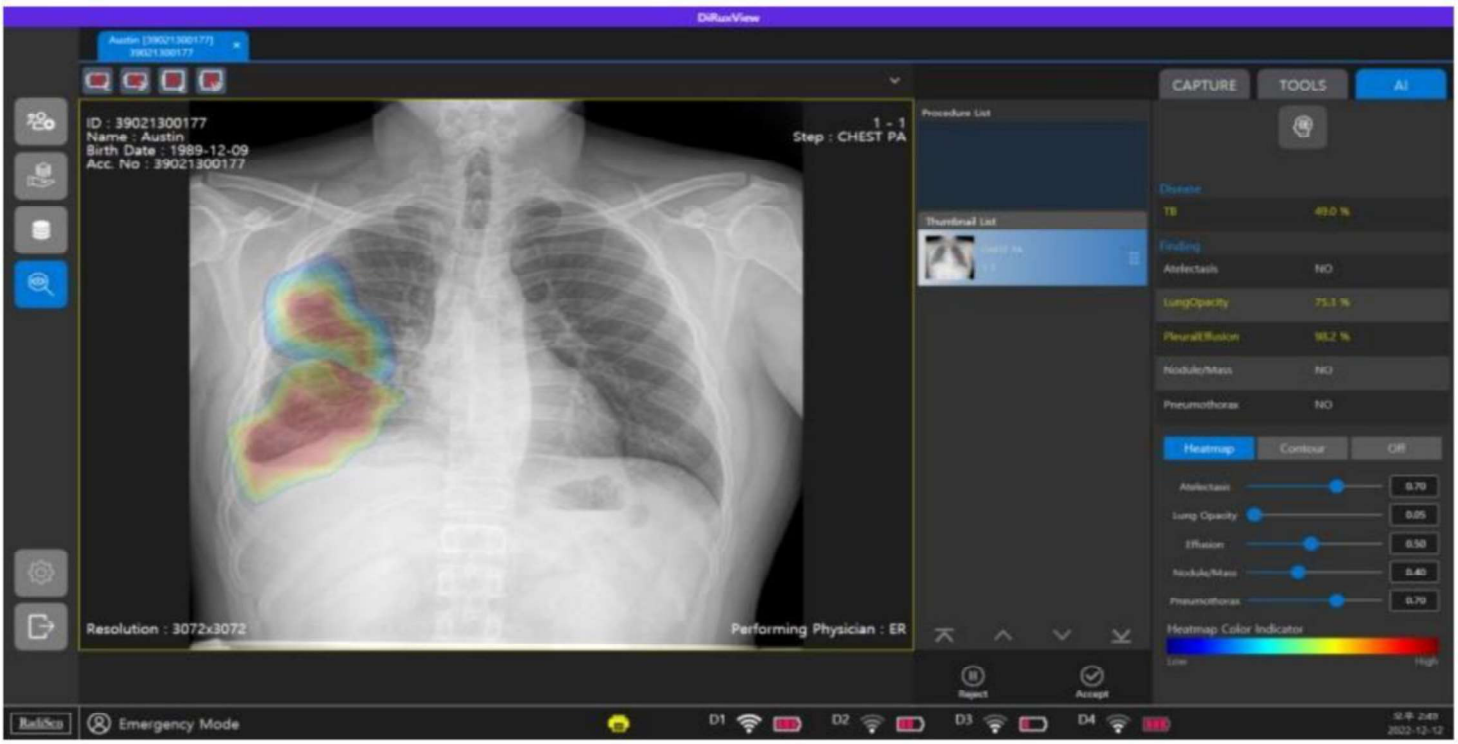
Portable Digital X-ray System with Automatic X-ray Image Reader



※ Above UI image was taken from DiruxView in Smart PDX.

- Provide location and probability of Chest X-ray abnormalities
- Accurate detection of tuberculosis
- Reading time less than 10 sec
- Easy to use at the outback
- Easy installation

- A.I algorithm is combined with powerful PC console software, DiruxView.
- Proprietary deep learning algorithm
- Fast and accurate point-of care screening of Chest X-ray abnormalities

Mobile Stand

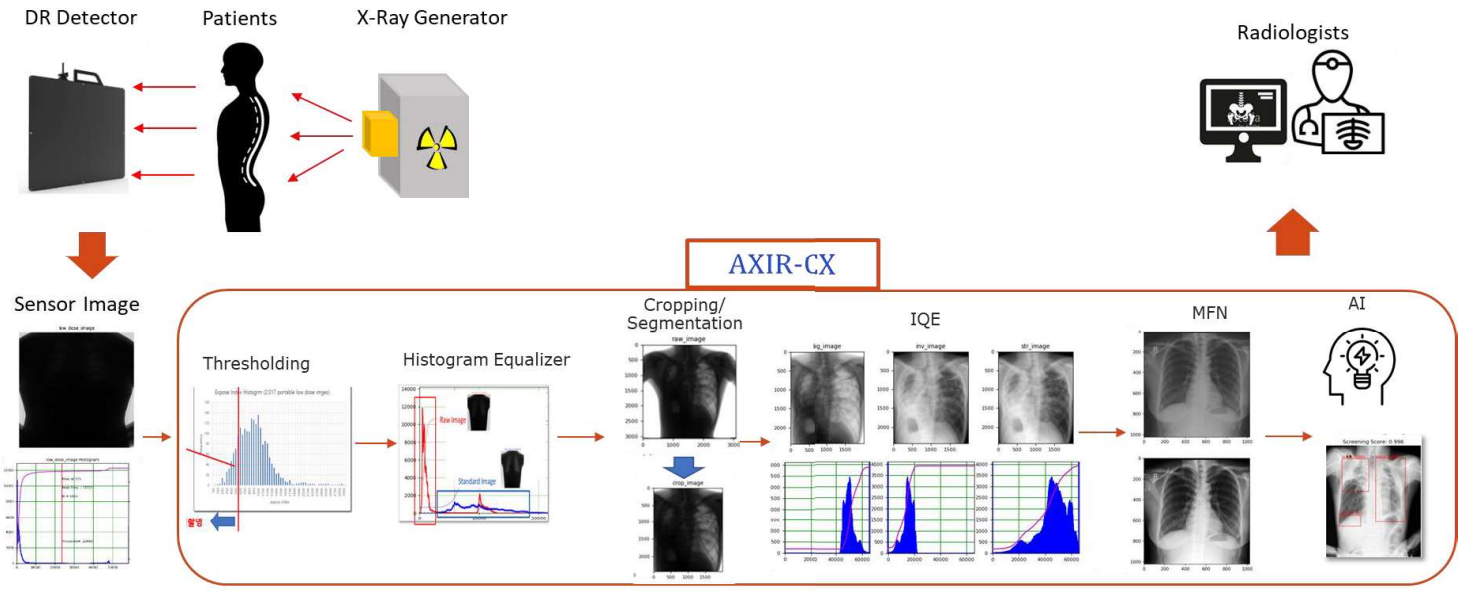
Portable X-ray Generator

1417 wireless Detector

Laptop PC with DiruxView

Carrying Bag

Highly Accurate and Reliable Image Reading



AXIR-CX™ Image Pipeline

- **Fast and reliable AI-assisted X-Ray image reading:**
  Radisen's patented image pre-processor including thresholding, histogram equalization, cropping, segmentation, IQE and MFN technologies standardizes image qualities taken in various operation conditions ensuring reliable performance.

- **Highly Accurate AI-assisted X-Ray image reading:**
  Radisen's proprietary deep learning algorithm based on more than 500 thousands of carefully annotated X-ray images provides high image reading accuracy.

- **"See as the machine sees" :**
  When used with Radisen's PEDRA series Digital Radiography (DR) detectors, unprocessed machine image from the detector can be fully utilized to enhance accuracy and reliability even more.

AXIR-CX™

MIC
RadiSen

Field proven and CE Class 2 Certified Deep Learning based automatic X-Ray image reader for Radiologist's assistance

AXIR-CX™ is a stand-alone machine intelligence that can be built into X-Ray systems for fast real-time readings of X-ray images. AXIR-CX™ works independently without needing network connection to external servers, which makes it an ideal solution for point-of-care X-ray diagnostics in the areas where radiologists are not readily available.

AXIR-CX™ is built to "see as the machine sees." Machine images contain a lot more information than what human eyes can perceive. When AXIR-CX™ is used together with Radisen's digital X-ray detectors, AXIR-CX™ can detect various abnormalities in X-ray images with high accuracy and reliability by making full use of un-processed machine images directly from the X-ray detector - not the images processed to radiologists' preferences. It will enhance X-Ray capability in detecting indications of various diseases which have been deemed not possible by X-ray.