AI for Human Benefit, Everywhere

JVIEWER-X

AI based Lung Disease Analysis Solution in Chest X-Ray

MEDIHUB CXR

intel | OpenVINO | JLK

JVIEWER-X   AI based Chest X-Ray Lung Image Analysis Solution

Summary

If abnormalities in the lungs are found in chest radiographs, diseases such as pneumonia, pulmonary tuberculosis, and lung cancer can be suspected. In the case of pulmonary tuberculosis, the risk is low, but it is highly contagious and takes a long time to cure. Pneumonia and lung cancer are diseases with high risk as they are one of the highest causes of death, but if they are detected early and taken appropriate measures, the survival rate increases dramatically.

JVIEWER-X is a solution that analyzes lung images with artificial intelligence to visualize results & provide quantitative scores. This solution can help radiologists to read 16 lung lesions and diseases that occur in the lung.
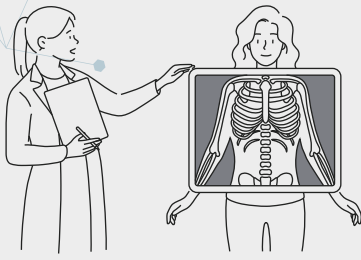
Key Components & Performance

· Single organization data AUC 99%
· Analysis Time : within 20s
· Simple image input/output function through PACS interworking module
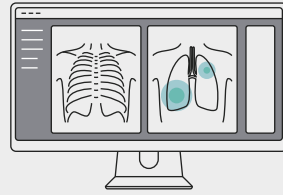· The function of checking results and outputting reports through its own UI

Input / Output

· **Input Data**   Patient's chest X-ray DICOM File
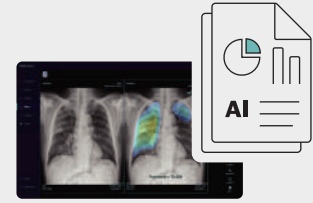· **Output Information**   Chest X-Ray analysis report

How it works

Take Chest X-Ray

Abnormality Lesion Visualization & Abnomality Scores

Analysis Result Report

Unique Functionality

AI based Solution + **High Accracy** + **Fast Analysis** + **East to Use**

· Visualization of Heat-map format for lung image analysis results

· Providing quantitative scores for chest X-ray image analysis of AI

· More than 1 million validated chest X-ray data learning

· Providing tools for lesion indication and modification

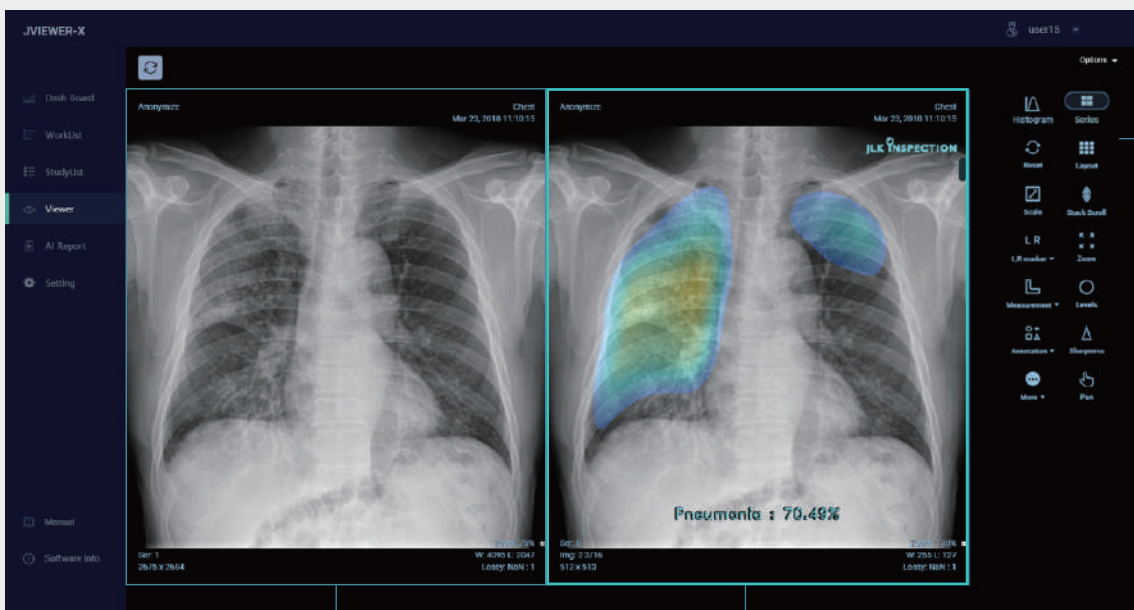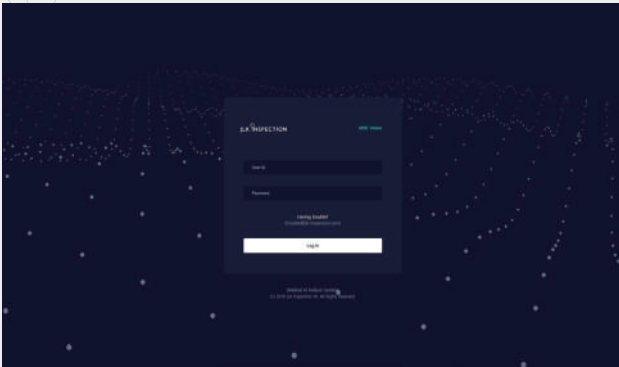· Providing statistical data on patient information and AI analysis results by period.

Image Processing & Annotation Tool

High Quality X-Ray Image

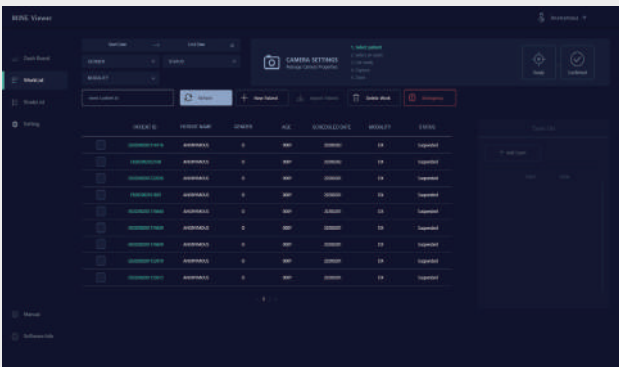AI Results Visualization with abnormality score

Solution UI

LOGIN

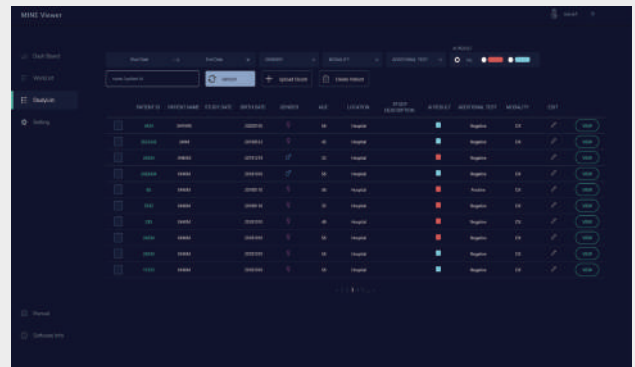Only licensed users can use the product. Enter the ID & Password authorized by the administrator.

DASHBOARD

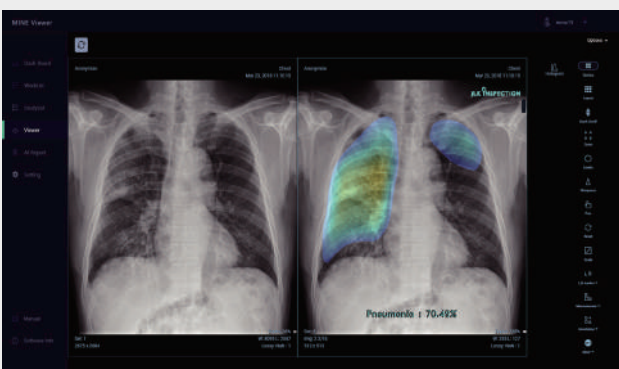The subject information is listed with statistical data by period. All resulted through AI analysis.

WORK LIST

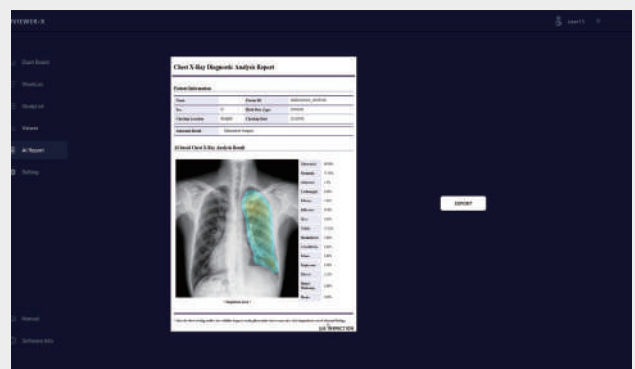Add a new subject by uploading X-ray image data to the subject information.

STUDY LIST

Check and edit the subject's information, and the result of the image analysis.

AI VIEWER

AI Results Visualization with abnormality score.

REPORT

View the AI-based chest X-ray analysis report and download it in PDF file.

PACS &DICOM standard-based medical image viewer › AI based Pneumonia diagnosis result visualization

AI R&D Center

JLK Tower, 5 Teheran-ro
33-gil, Gangnam-gu, Seoul,
Republic of Korea

📞 +82-70-4651-4051

JLK, Inc.

#204, 10, Yangcheongsongdae-gil,
Ochang-eup, Cheongwon-gu,
Cheongju-si, Chungcheongbuk-do,
Republic of Korea

JLK US, Inc.

3003 N 1st ST #322, San
Jose, CA 95134, USA

✉ jlk_usa@jlkgroup.com

JLK Japan Co., Ltd.

#208, 6 Chome 10-6 Otsuka
Bunkyo-ju, Tokyo, Japan

✉ jlk_japan@jlkgroup.com