



Chest X-Ray AI in Your Hands

XPreview

XPreview App is EBM's first iOS based-application embedded with a diagnostic support Chest CR AI model, which uses a customized CoreML model to generate output based on DICOM Chest X-ray images. XPreview App leverages the Apple® A12 Bionic chip with a newly designed Neural Engine to enable fast AI computing performance. As some physicians may have hundreds of images to review per day, this application can be an effective solution to help facilitate the screening process. XPreview App breaks the boundaries of the traditional AI set up requirements by integrating AI technologies into portable devices, providing medical professionals with the highest mobility and efficiency. With that, it sets a whole new standard of what a medical application is capable of.

Highlight Features

- » Acts as a DICOM server, viewer and display at the same time.
- » Embedded AI model automatically computes and generates inference.
- » Query/Retrieve Chest X-ray DICOM images directly from PACS.
- » Receives/Saves DICOM images from modalities in local storage.
- » Realtime edge computing and identifying of 14 types of lesions.
- » Applies an overlay heatmap to indicate AI findings.

A Quick Overview

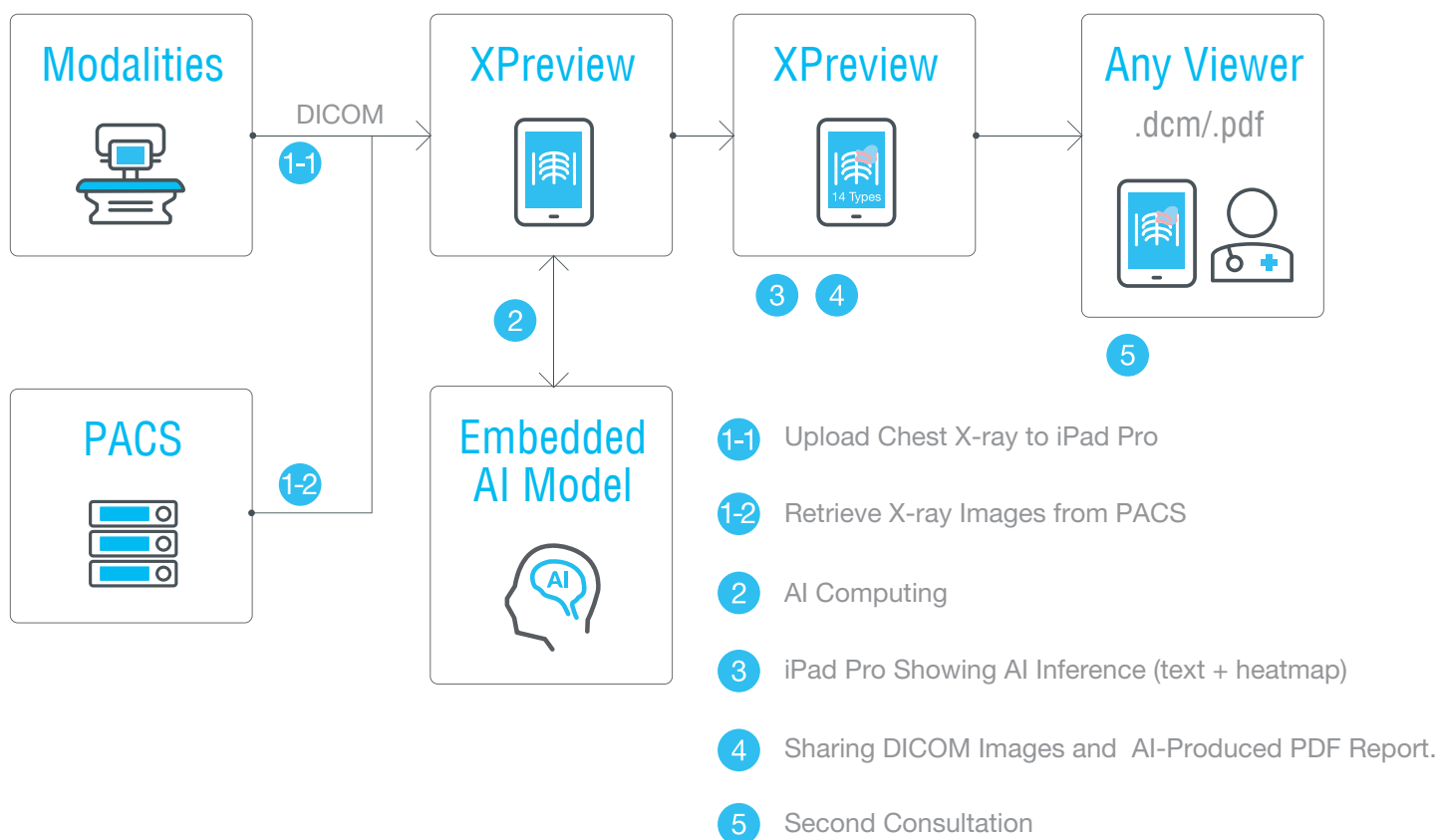
XPreview App can act as a standalone server, using local storage space in iPad Pro, viewer and display. DICOM communication is also supported in the application for Query/Retrieve and receiving DICOM image files from PACS and modalities, respectively. Upon clicking the images on the iPad, AI will instantly compute and automatically identify possible chest conditions*and apply that on images in both description and heatmap with various colors indicating levels of severity. A Sharing feature is also available in the application, and the results can be shared with others for further consultation. XPreview App not only helps improve the clinical screening process but also optimizes communication between medical professionals for the best possible outcome.

*Available in 14 types of lesions.

Allow Remote Hospitals and Clinics to Improve Diagnostic Capabilities

Chest X-Ray AI Edge Computing

XPreview App currently offers a diagnostic supported Chest CR AI model and is designed for high scalability and effective integration of multiple AI models. The application runs on iOS mobile devices like iPhones and the iPad Pro using edge computing technology. Combining its portability and embedded AI model, XPreview is an ultimate prescreening solution for front-line staffs or rural areas where access to the Internet is limited.





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About EBM Technologies

EBM Technologies is a leading total solution provider of medical imaging systems, specialized in picture archiving and communication system (PACS) and systems for Personal Health Record (PHR) and Electronic Medical Records (EMR). Founded in 1988 in Taiwan, EBM Technologies has since expanded globally with a total of 150 employees and more than 3,500 hospitals being installed with our PACS across regions of Asia, North America, and soon to the Middle East. To meet the ever-evolving market demand, we have shifted our focus to mobile medical applications and AI integration solutions. At EBM Technologies, we strive to improve our products and services above and beyond industry standards for a better future in the healthcare sector. To find out more about us, visit our website: www.ebmtech.com

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