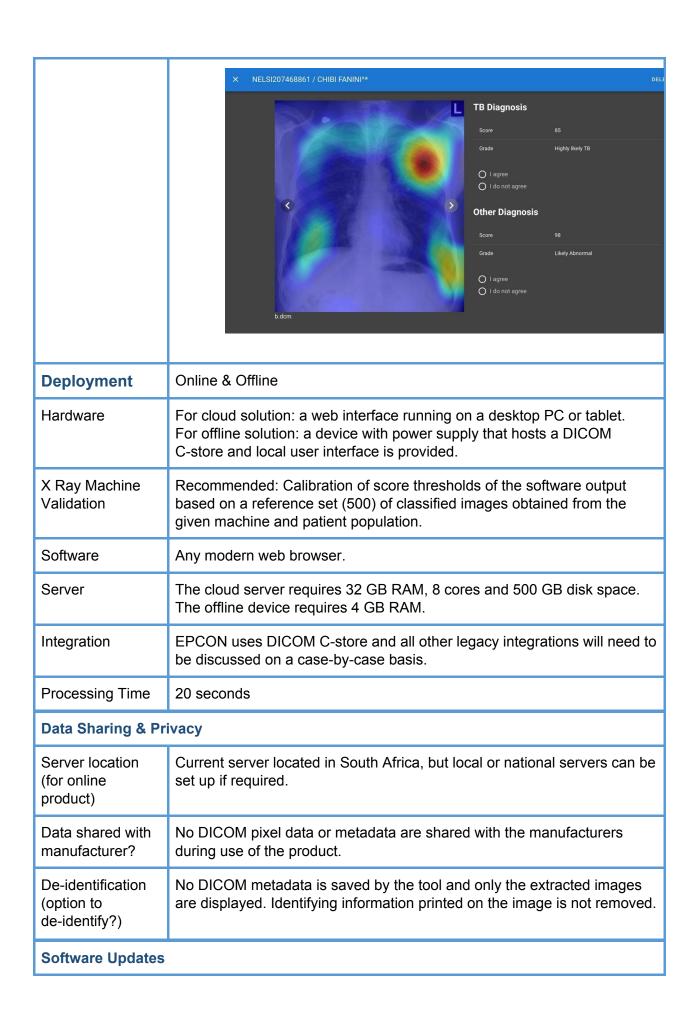
Product Profile: EPCON

Product name	XrayAME
Company	EPCON
Company HQ	Antwerp, Belgium
Version	1
Website	https://www.epcon.ai
Demo	https://www.epcon.ai/ai-for-good
Last updated	April 23, 2020
Description	XrayAME is a computer-aided diagnostic for chest X-rays that can be used as screening and triage test to identify TB patients from chest X-rays in under-resourced communities.
Certification	Stage of development:Online web interface: on the market; mobile application: under development (targeted for release in Q3 2020)
	Certification: Regulatory certification is aimed for in Q1 2021.
Intended Age Group	18+ years
Target Setting	Primary health centres, Teleradiology companies, Government/public sector, e.g. national TB program.
Current Market	Pakistan, Philippines, South Africa, Brazil, Uganda, Cambodia.
Input	Compatible with any digital chest X-ray machine. Chest X-ray image format: JPEG, PNG, DICOM Chest X-ray type: Posterior-anterior chest X-ray, Anterior-posterior chest X-ray Other requirements: None
Output	Structured report includes: - Heat map, - Dichotomous output only indicating whether TB is likely present or likely absent, - Probability score for TB - The default threshold score for "Highly likely of TB" is 75. Any score above 40 is considered "Suspicious". Any score below 40 is considered "Unlikely TB". All score thresholds can be adjusted per application based on the required True Positive and False Positive Rate at a given threshold and for a given patient population.



Frequency	Quarterly	
Cost	Updates are included in the license fee. No cost differences exist between public and private sector.	
	Extra Costs: None. Updates are included in support costs and do not imply additional costs.	
Price	Pricing is adjusted in line with project scope and availability of budget. In a commercial setting, we have applied transactional pricing models. For social impact projects we support free CAD readings as part of the CAD4Good program. Public/private pricing difference: Hardware and travel costs are required for the offline solution. Support requirements may be more in offline settings. Upfront installation/set up costs: Travel and installation support of offline devices. Server set-up and running costs for national or local installations. Offline device installation includes hardware and set up costs and range from 1000-5000 Euro.	
Product Development		
Method	Supervised deep learning (CNN, RNN)	
Training	The product was trained on 10,000 chest X-rays from South Africa, Nepal, China.	
Reference Standard	GeneXpert and human reader	
Publications	Peer-reviewed publications are not yet available.	