联众医疗 LIANZHONG MEDICAL × intel

On-Premises Edge AI for Streamlined X-Ray Reporting

Lianzhong X-Ray Report Generation System



Lianzhong X-Ray Report Generation System helps hospitals generate ***faster, standardized report drafts using on-premises AI with clinician oversight.***

Medical imaging volumes continue to grow while radiology teams face increasing workload and staffing pressures. Lianzhong Medical's X-Ray Report Generation System helps address this challenge by using a multimodal AI architecture that combines a fine-tuned vision-language model (VLM) with a large language model (LLM) to analyze digital X-rays and generate standardized report drafts. Physicians review and finalize reports, accelerating workflow efficiency while preserving clinical oversight.

Deployed as an in-hospital edge AI appliance, the solution runs on Intel® Core™ Ultra Series 3 processors with dual Intel® Arc™ Pro B70 graphics and is optimized with LLM Scaler. This on-premises approach helps protect patient data, supports concurrent Digital Imaging and Communications in Medicine (DICOM) processing, and delivers high-performance AI inference for faster report generation at the point of care.

intel ai
Intel® AI Edge Applications

Key Intel-Enabled Features

Data Privacy · Fast Edge AI · Parallel DICOM Flows · Accelerated Reports

- Intel® Core™ Ultra Series 3 processors enable on-premises deployment that helps keep patient data within hospital networks.
- Intel® Arc™ Pro B70 graphics accelerate multimodal AI inference and enable parallel DICOM processing for faster report generation.
- LLM Scaler helps optimize multimodal AI inference and maximize local compute efficiency at the edge.
- Intel® technologies support responsive AI performance for scalable hospital imaging workflows.

By leveraging Intel® technologies, Lianzhong X-Ray Report Generation System helps healthcare providers address rising imaging volumes and radiologist shortages that can impact reporting speed, consistency, and quality.

Ordering Guidance:

- Contact Us

Country/Geo: People's Republic of China

Edge Verticals: Healthcare & Life Sciences

Edge Use Cases: Clinical Decision Support; Image Analysis

Learn more:

- Hangzhou Lianzhong Website

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