AI-Assisted Ultrasonic Imaging : Advances Clinical Accuracy and Care

Investment in healthcare is sharply increasing, particularly AI in ultrasound. An AI-powered ultrasound solution can be implemented to improve patient outcomes by increasing the accuracy of diagnoses. One of Aetina partners, global manufacturers of diagnostic and prenatal ultrasound equipment, adopted Aetina ASIC-based MXM AI-MXM-H84A to speed up the auto-segmentation model to reduce image adjustment time and task operated manually.

AI-MXM-H84A drives unprecedented AI performance and provides the advanced image analytics deep learning model at a high-frame rate while in low latency. As a result, assessments become faster and more accurate.

✔ Benefits

- High flexibility and scalability to compliant with existing X86 or ARM systems

- Handles heavy inference workloads with low latency

- Comprehensive software package such as AI development tools and customization services

📊 Results

- Improves patient diagnosis outcomes through optimized accuracy

- Saves ultrasound AI system maintenance costs

AI-MXM-H84A

Probe

Ultrasound Machine

Industrial Controller Board