# JBD-03K

## AI based Breast MRI Mass Segmentation Solution

## Summary

According to the 2012 World Health Organization statistics, breast cancer is the leading cause of cancer death in women. Early detection of breast cancer can prevent metastasis of the cancer and improve patients' prognosis.

JBD-03K assists specialists in breast cancer diagnosis by providing deep learning based extraction and volume of breast mass in breast MR images.

## Key Components & Performance

· Perfusion-weighted image analysis
· Breast MRI visualization
· Fractal dimension calculation
· Breast mass detection and visualization
· Mass homogeneity calculation and inhomogeneity quantification

## Input / Output

· Input Data          Patient's Breast MRI DICOM
· Output Information   Breast Mass Area, Breast Mass Volume information