



# JCD-01K

## AI based Coronary Arteries Segmentation Solution

### | Summary

Ischemic heart disease is caused by obstruction of blood flow to the myocardium due to stenosis or occlusion. In order to treat the patient, a procedure for inserting a stent into the narrowed bloodstream is performed.

JCD-01K supports stent insertion procedure by providing AI-based automatic segmentation of coronary artery.

### | Key Components & Performance

- Coronary area auto-detection and visualization
- Coronary artery diameter analysis
- Annotation tool for lesion marking & correction
- Visualization of clinical information
- PACS-linked data management

### | Input / Output

- **Input Data**                      Patient's X-Ray DICOM (Coronary Angiography)
- **Output Information**        Coronary Arteries Area