

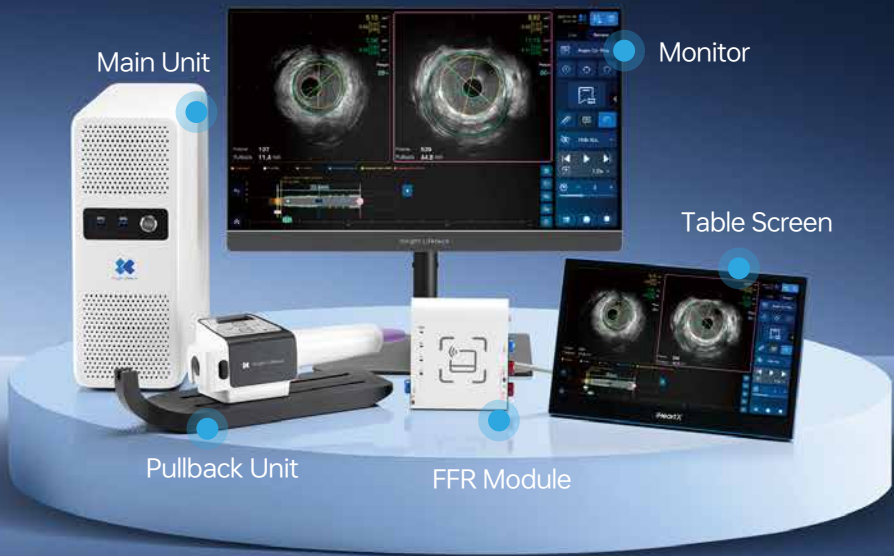
Bringing confidence and intelligence  
for your excellent experience.

As a multifunctional guidance system, iHeartX combines imaging and physiology to provide all-in-one support across the entire PCI procedure. It builds confidence for physicians and enhances safety for patients.

iHeartX Mobile



iHeartX Integrated System



Insight Lifetech

Beyond Integration,  
Into Intelligence.

iHeartX  
Multi-Functional PCI Guidance System

For more information, please visit our website at [www.insight-med.com](http://www.insight-med.com)  
or contact us:



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Liufang Rd. 6, Baoan District 518052 Shenzhen, China
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Future Healthcare Now

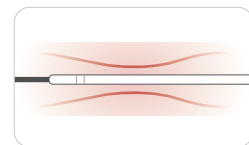
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# Confident Diagnosis, Guided by Comprehensive Physiology

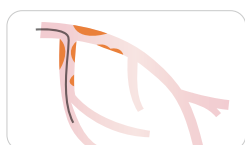
The era of simple "yes or no" ischemia assessment is over. iHeartX advances coronary physiology into a strategic planning tool, delivering the detailed map needed to precisely answer where to intervene and how to optimize therapy, transforming a binary decision into a confident, personalized strategy.

## TruePhysio™ X, Wireless Pressure Microcatheter

Designed for FFR: Seamless Pullback on Your Workhorse Wire



Ultra-thin 1.56F In-lesion Profile  
with Rapid Exchange



Master Complexity with  
complete pathway support



Wireless Connection,  
Streamlined Workflow.

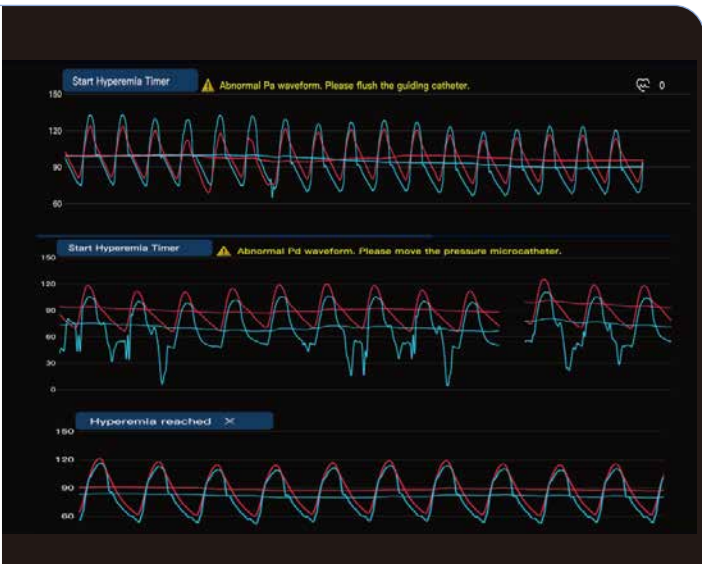


## Smart Workstation with Advanced Algorithm

Intelligent algorithm-powered workstation, integrating inSmartPhysio with inSmartGuide, offers smart guidance throughout the entire process, transforming raw data into reliable, clinically-ready information, minimizing manual interpretation and ensuring every measurement meets the highest standard of accuracy and efficiency.

### inSmartGuide

- Automatic Pa Drop & Artifact Detection
- Contrast Agent Remaining Recognition
- Sensor Wall-Contact Identification
- Maximum Hyperemia Status Verification



### inSmartPhysio

- Auto-Calculation of Pressure Gradient  
Quantitatively display the  $\Delta Pd / \Delta FFR / \Delta cRR$  along the pullback curve
- Auto-Adaptation of Pullback Curve  
Enhances visualization of pressure step-up
- Virtual Stent  
Simulates post-stent cRR value for better PCI planning

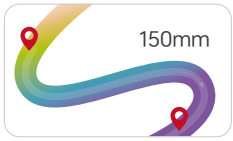
# Intelligent Precision, Powered by HD Imaging with Next-Gen Workflow

See clearer with uncompromised high-definition visualization, plan smarter with automated lesion analysis and guidance, and optimize better with instant procedural feedback. Our suite of automatic tools streamlines the entire workflow—removing guesswork, enhancing precision, and letting you focus confidently on the patient and the outcome.

## See Clearer



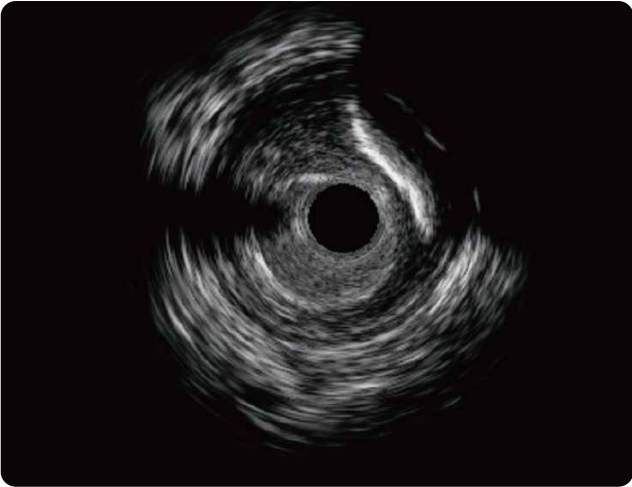
5 pullback speed options  
(0.5/1/3/5/10 mm/s)



150mm pullback length  
(Auto/Manual)



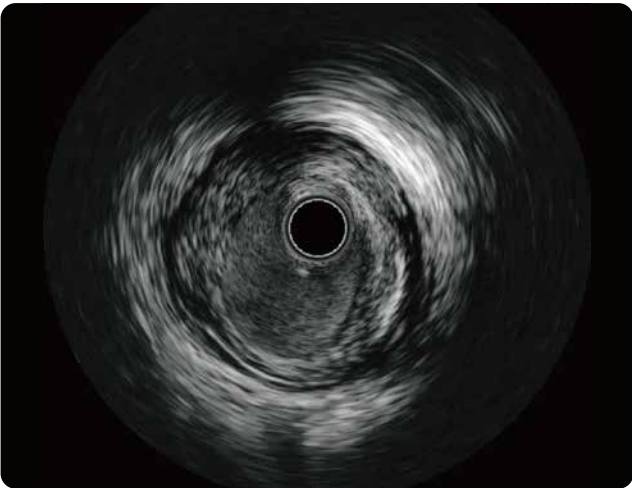
40MHz and 60 MHz  
Transducer Frequency



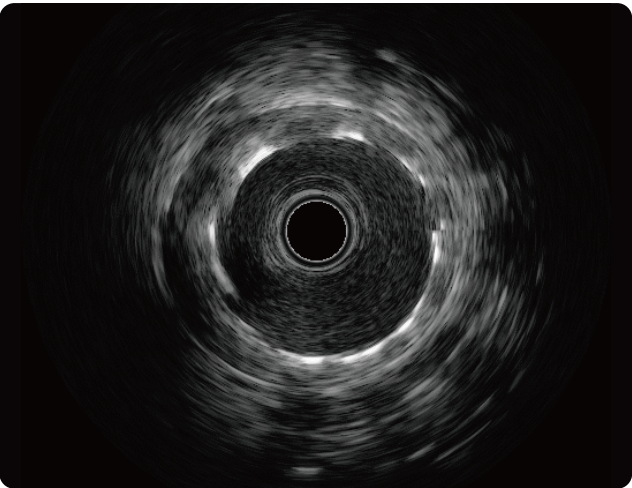
Calcification



Plaque rupture



Soft plaque



Stent

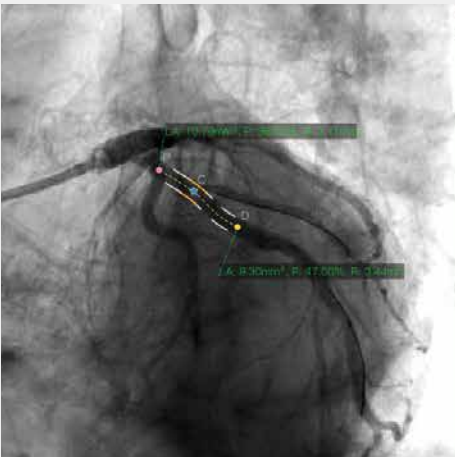


# Plan Smarter

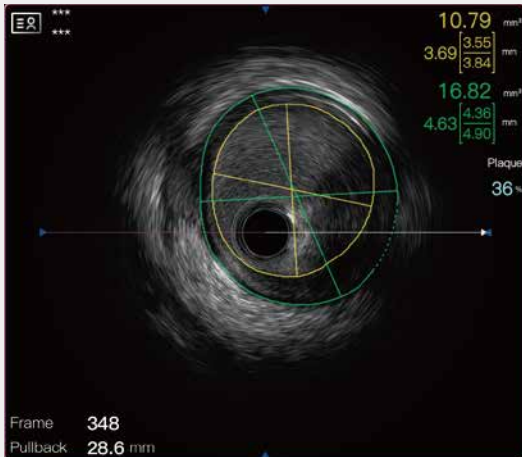
Pre-PCI: Automated Planning & Sizing

# Optimize Better

Post-PCI: Automated Stent Detection & Optimization



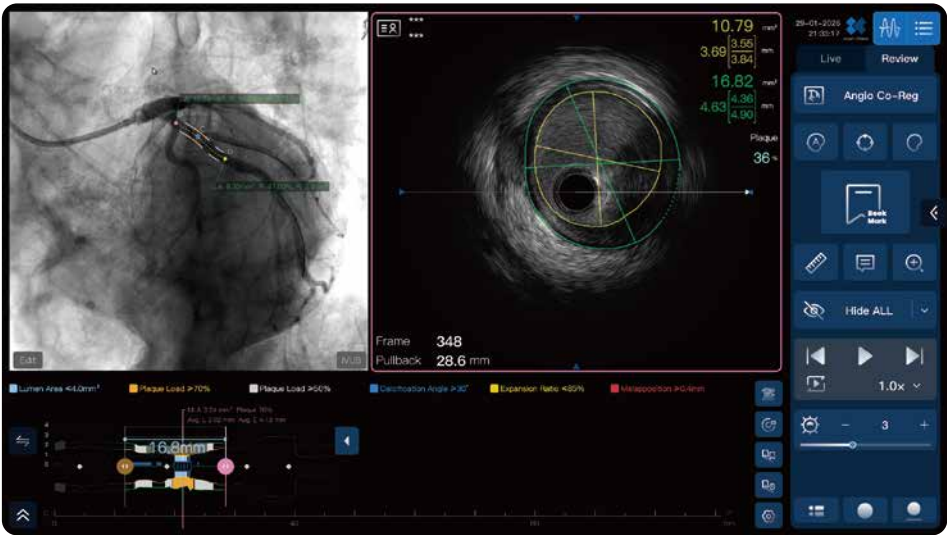
Auto lesion distribution mapping



Automated mean lumen/vessel diameter calculation

Easy Go 2.0  
Co-registration

Auto-edge Detection



## Automatic Comprehensive Lesion Analysis

Calcium recognition

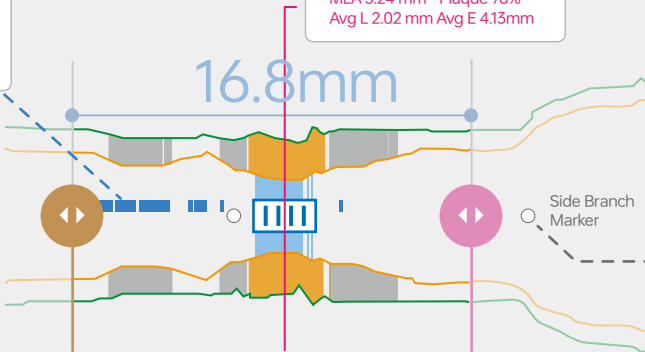


Auto MLA detection

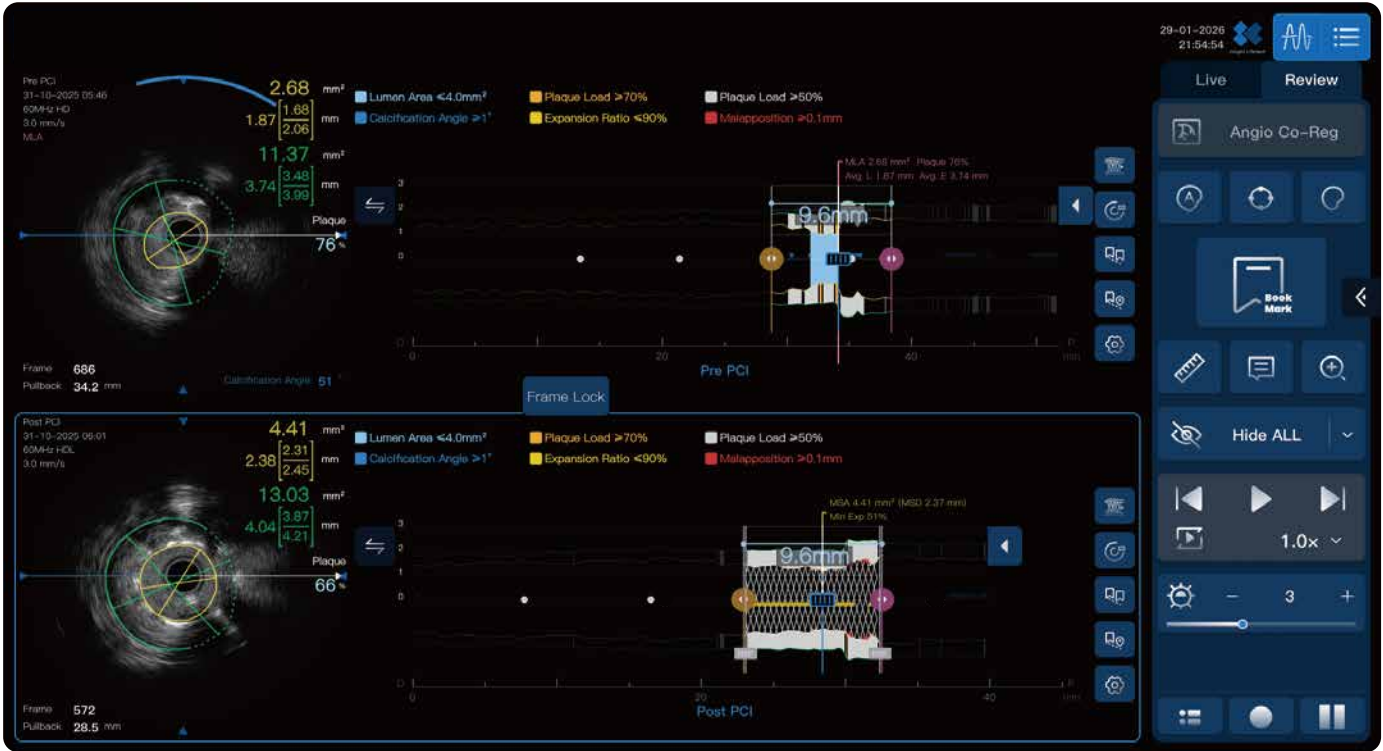
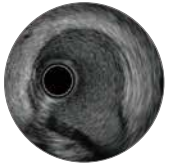
MLA 3.24 mm<sup>2</sup> Plaque 76%  
Avg L 2.02 mm Avg E 4.13mm

Auto plaque burden analysis

- Lumen Area ≤ 4.0mm<sup>2</sup>
- Plaque Load ≥ 70%
- Plaque Load ≥ 50%
- Calcification Angle ≥ 30°

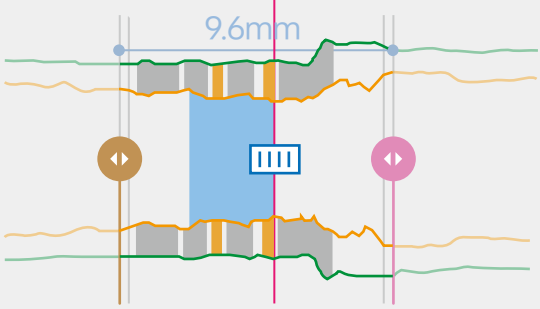


Auto side branch detection



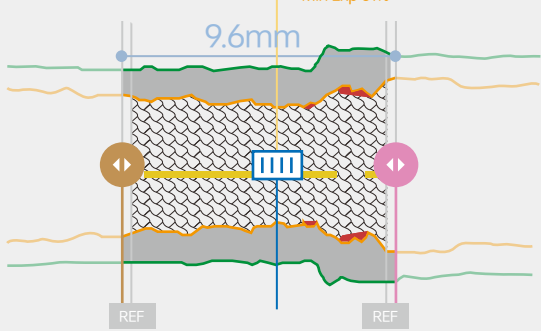
Pre-PCI

MLA 2.68 mm<sup>2</sup> Plaque 76%  
Avg. L 1.87 mm Avg. E 3.74 mm



Post-PCI

MSA 4.41mm<sup>2</sup> (MSD 2.37mm)  
Min Exp 51%

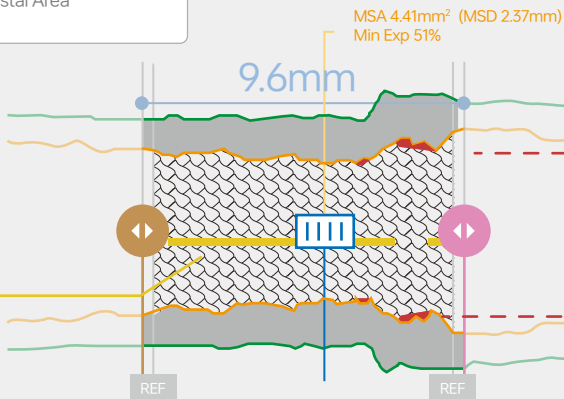
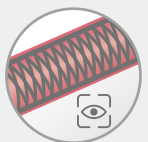


Instantly Calculates MSA & Expansion Ratio

$$\text{Stent Expansion Ratio} = \frac{\text{Minimum Stent Area (MSA)} \times 2}{\text{Proximal Area} + \text{Distal Area}} \times 100\%$$

- Calcification Angle ≥ 1°
- Expansion Ratio ≤ 90%
- Malapposition ≥ 0.1mm

Automatic Stent Recognition



Automatic Malapposition Alert

