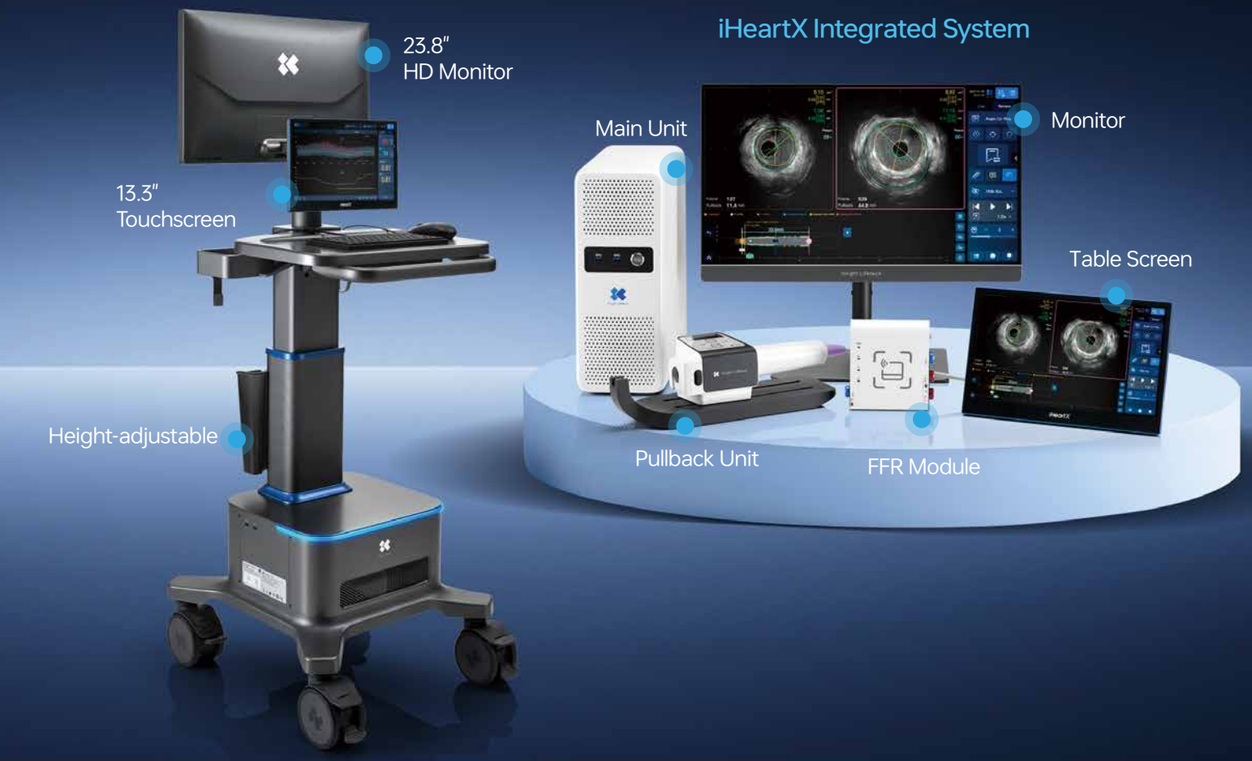
Bringing confidence and intelligence for your excellent experience.

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

For more information, please visit our website at www.insight-med.com or contact us:

Insight Lifetech Co., Ltd.
3rd Floor and 10th Floor, Building 3, Tinwe Business Park, Liufang Rd. 6, Baoan District 518052 Shenzhen, China
Tel: +86 (755) 23074845
Email: export@insight-med.com

iHeartX, TruePhysio, TrueVision, inSmartVision are registered trademarks of Insight Lifetech Co., Ltd.All data and phtots on file.
Illustrations are not to be considered as engineering drawings of photos
©2026 Insight Lifetech Co., Ltd.

Insight Lifetech

CE 2797

IL-IHE-V1.0-20260204

Insight Lifetech

Beyond Integration,
Into Intelligence.

iHeartX

Multi-Functional PCI Guidance System

Confident Diagnosis, Guided by Comprehensive Physiology

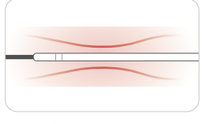
The era of simple "yes or no" ischemia assessment is over. iHeartX advances coronary physiology into a strategic planning tool, delivering the detailed map needed to precisely answer where to intervene and how to optimize therapy, transforming a binary decision into a confident, personalized strategy.



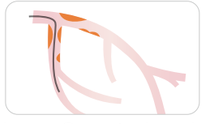
TruePhysio™ X, Wireless Pressure Microcatheter

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



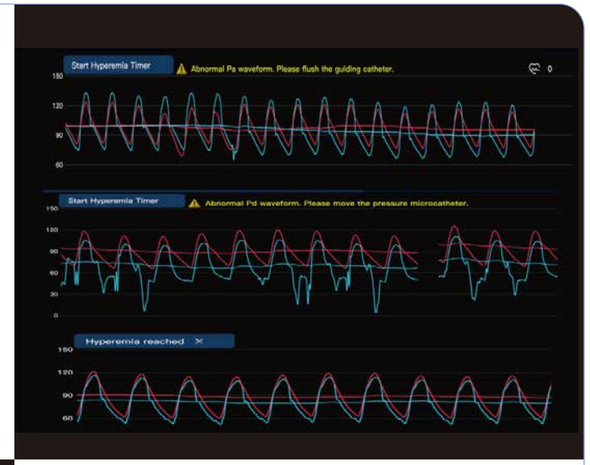
Wireless Connection, Streamlined Workflow.

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 ΔPd/ Δ FFR/ ΔcRR 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

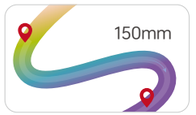
Intelligent Precision, Powered by HD Imaging with Next-Gen Workflow

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



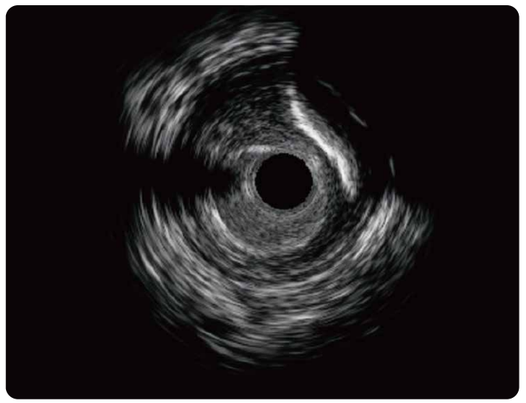
5 pullback speed options
(0.5/1/3/5/10 mm/s)



150mm pullback length
(Auto/Manual)



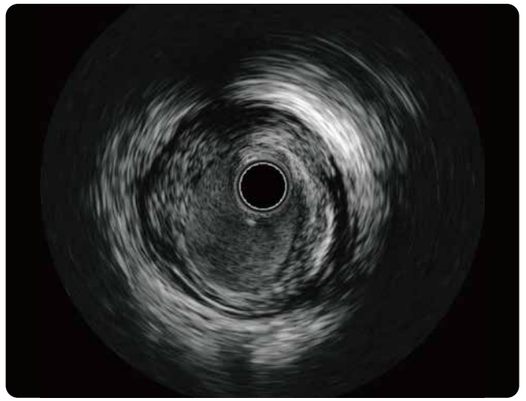
40MHz and 60 MHz
Transducer Frequency



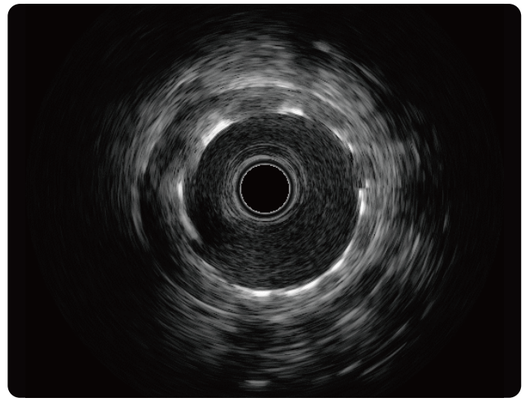
Calcification



Plaque rupture



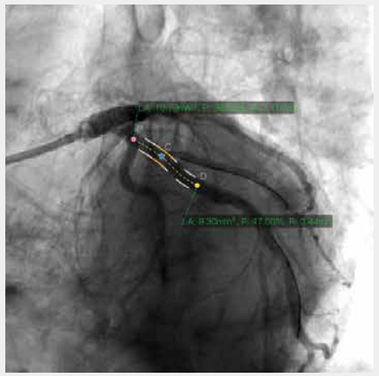
Soft plaque



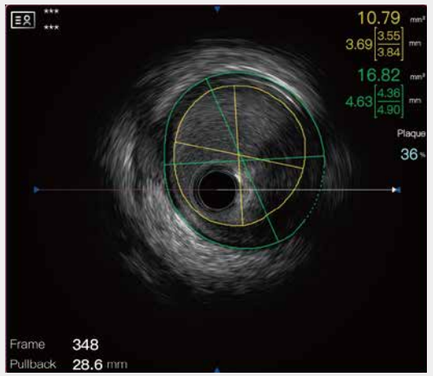
Stent

Plan Smarter

Pre-PCI: Automated Planning & Sizing



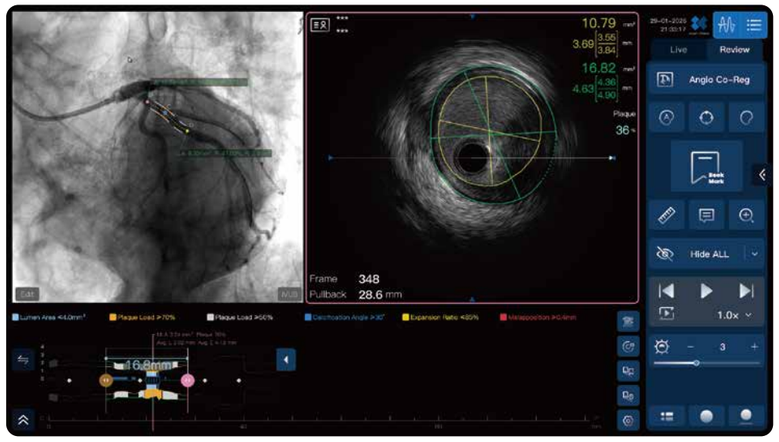
Auto lesion distribution mapping



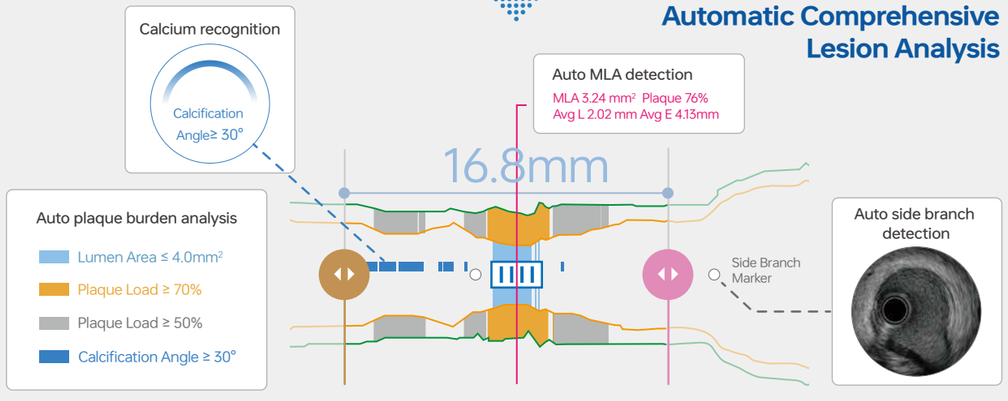
Automated mean lumen/vessel diameter calculation

Easy Go 2.0 Co-registration

Auto-edge Detection

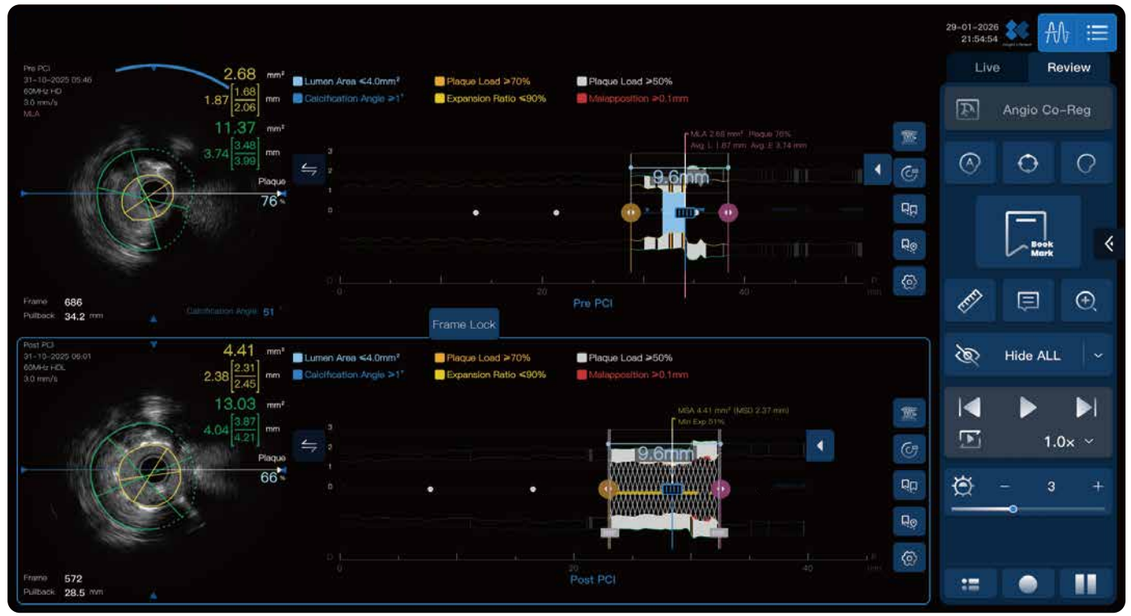


Automatic Comprehensive Lesion Analysis

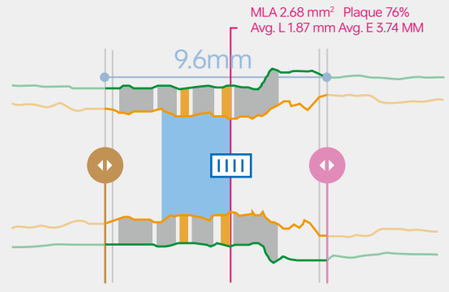


Optimize Better

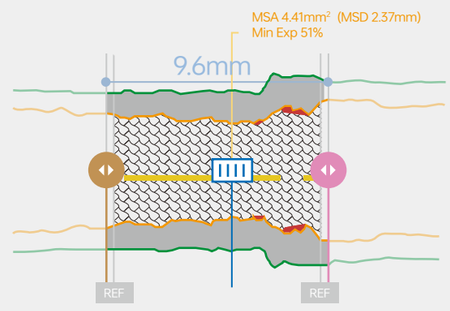
Post-PCI: Automated Stent Detection & Optimization



Pre-PCI



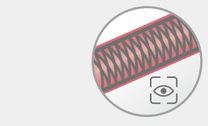
Post-PCI



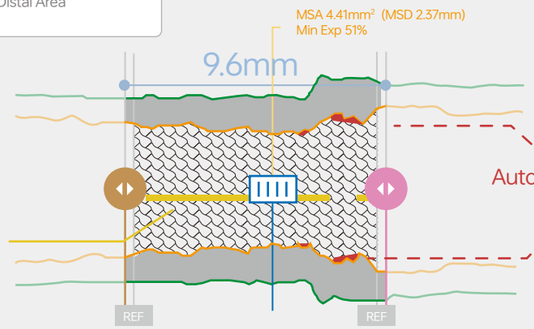
Instantly Calculates MSA & Expansion Ratio

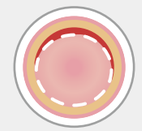
$$\text{Stent Expansion Ratio} = \frac{\text{Minimum Stent Area(MSA)} \times 2}{\text{Proximal Area+Distal Area}} \times 100\%$$

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



Automatic Stent Recognition





Automatic Malapposition Alert