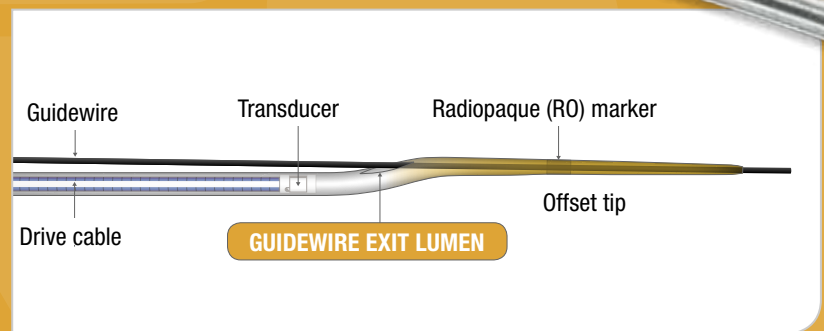


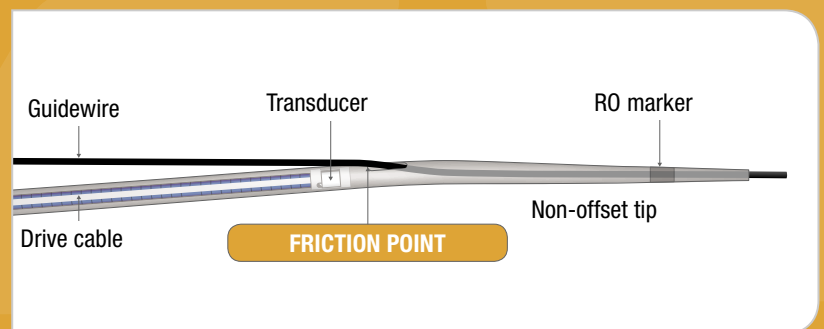
# Differentiated design, optimized imaging

## Novel, offset tip design

- Guidewire lumen offset from main catheter improves trackability and control, reducing risk of catheter kinking and guidewire entrapment
- Facilitates navigation in tortuous anatomies
- Improves lesion crossability
- Short tip-to-transducer distance enables more distal assessment



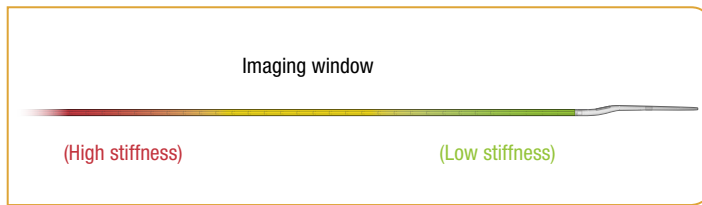
Kodama offset tip design



Standard IVUS catheter tip design

## VariFlex™ imaging window

- Designed for variable stiffness along imaging window length
- Flexible distal end for excellent deliverability
- Stiffer proximal body



Unique VariFlex variable-stiffness imaging window.

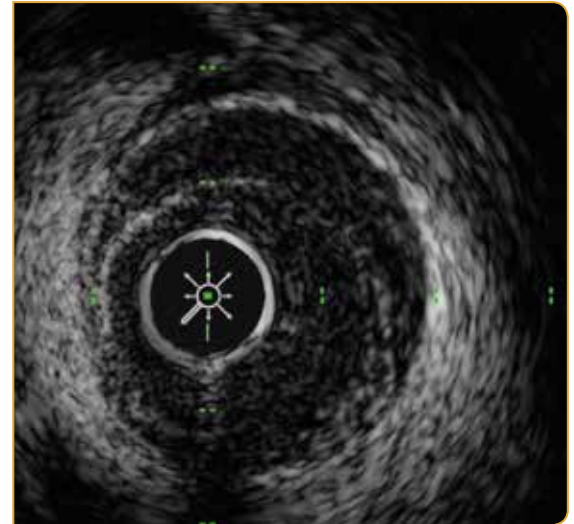
## Hydrophilic coating

- Highly lubricious hydrophilic coating
- Low frictional forces for trackability and control

## Optimized imaging

- High-fidelity ultrasound transmission, even in stiffer sections (due to the VariFlex imaging window), for pure HD image capture
- Option to choose optimal frequency (40 MHz or 60 MHz) to balance tissue penetration and higher resolution needs
- Superfine axial resolution (<40 µm) versus other IVUS catheters (~100 µm) due to the 60 MHz transducer
- Powerful and flexible imaging modes that help in identifying complications and plaque composition.
  - LumenView™ darkens the coronary lumen for better burden detection
  - SilkView™ increases gray scale for finer blood speckle, tissue and plaque differentiation
  - ClassicView™ optimizes the balance of high resolution and depth of penetration and enables full vessel wall visualization

## 40 MHz



The image quality of standard-definition IVUS can make identification of structures challenging.

## 60 MHz



The increased imaging quality obtained using Kodama and HDi facilitates optimization of stent deployment, and better defines thrombi, vulnerable plaques and dissections.

## ACIST | HDi® HD IVUS System

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