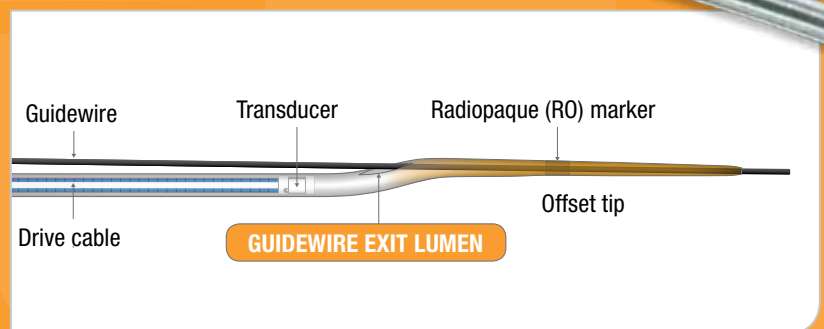


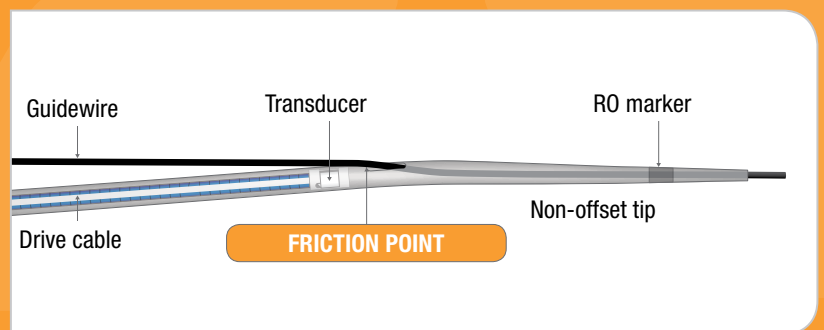
Differentiated design, optimized imaging

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



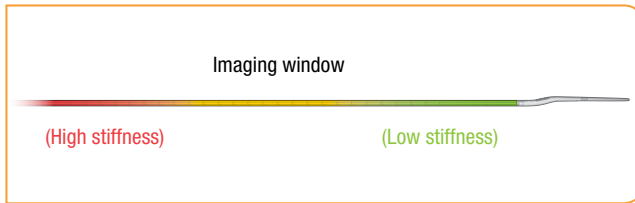
Kodama offset tip design



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.

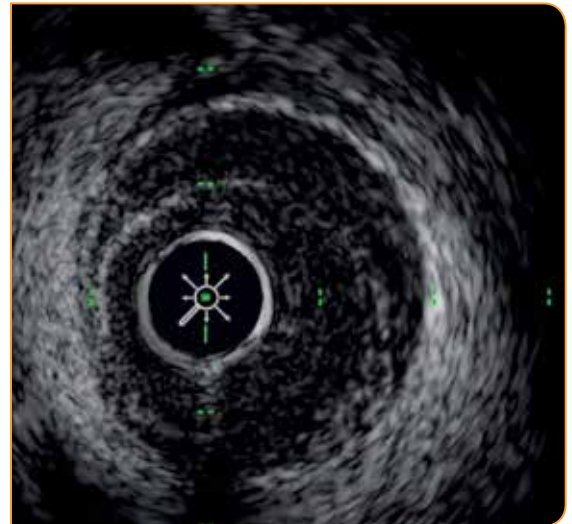
Hydrophilic coating

- 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 (<math><40 \mu\text{m}</math>) versus other IVUS catheters (~100 $\mu\text{m}</math>) due to the 60 MHz transducer$
- 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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