ACIST HDi™
HD IVUS System

ACIST | HDi™ HD IVUS System

Reinventing IVUS in HD

Bracco Group

ACIST®
the power to

ACIST HDi™

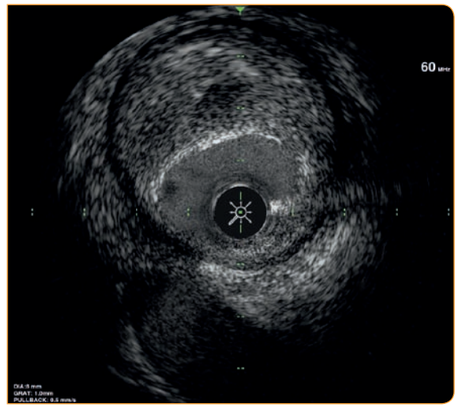
The ACIST HDi HD IVUS System

IVUS reinvented in HD. High-definition 60 MHz* IVUS imaging, touch panel interface, superfast pullback, and the highly deliverable ACIST Kodama® HD IVUS Catheter.

Improved image quality

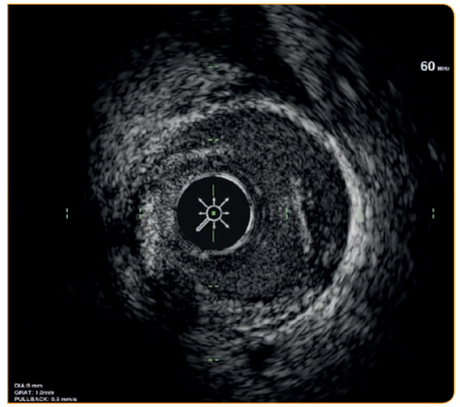
- Proprietary transducer and optimized signal processing for high-definition IVUS image quality, with minimized noise
- High-definition 60 MHz images of the vessel lumen and wall, without contrast flushing
- High depth of penetration to assess full plaque burden and the complete left main artery

Large Plaque Burdens



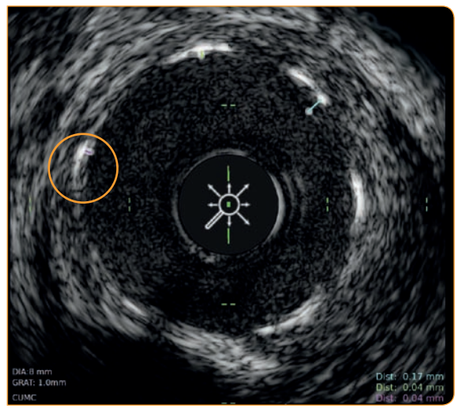
High resolution and depth of penetration enable full vessel wall visualization.

Edge Dissections



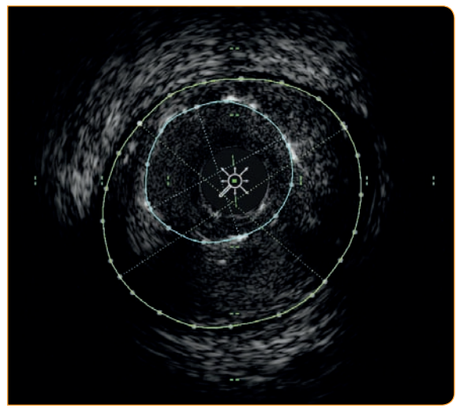
Higher resolution allows for visualizing more detail (e.g. the flaps in this dissection) than with traditional IVUS.

Neointimal Coverage



HDi enables visualization of details as small as 40 µm, such as fine neointimal stent strut coverage.

Stent Underexpansion

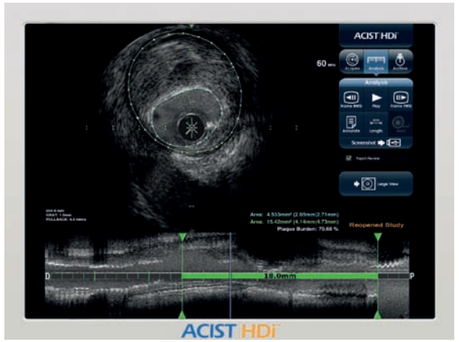


High resolution enables quick and easy detection of stent underexpansion.

Interactive compact console

- Small footprint is easy to integrate into cath labs
- Touchscreen enables rapid analysis

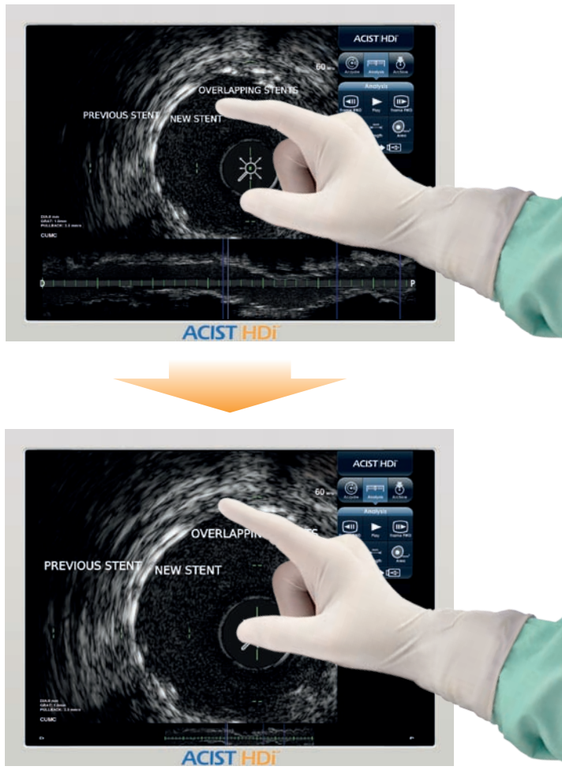
MEASURE, MANIPULATE, MANAGE



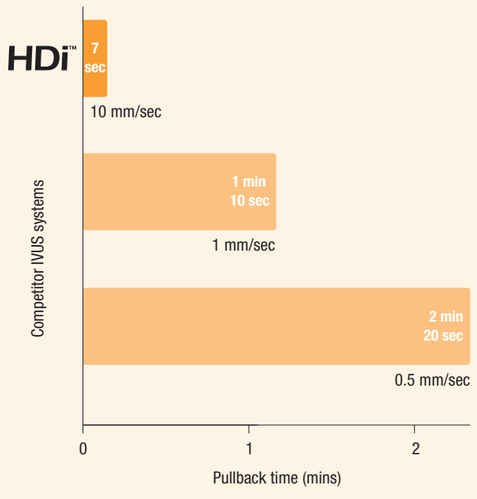
SWIPE, DRAW, ANNOTATE, ZOOM

Superfast pullback

- Up to 20× faster pullback reduces procedure time from minutes to seconds
- Minimizes motion artifacts and ischemic risk



Pullback time for a 7-cm pullback

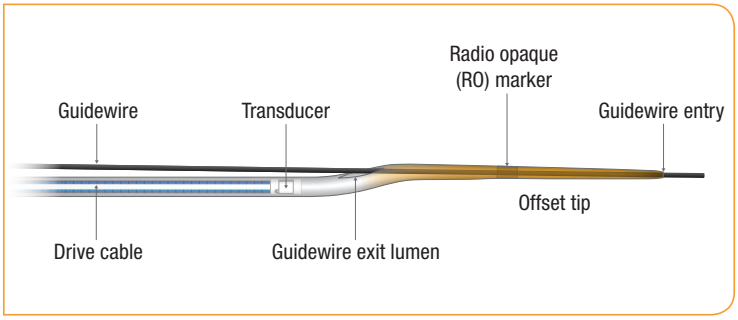


* Refers to selectable imaging mode

Kodama HD IVUS Catheter

Improved deliverability

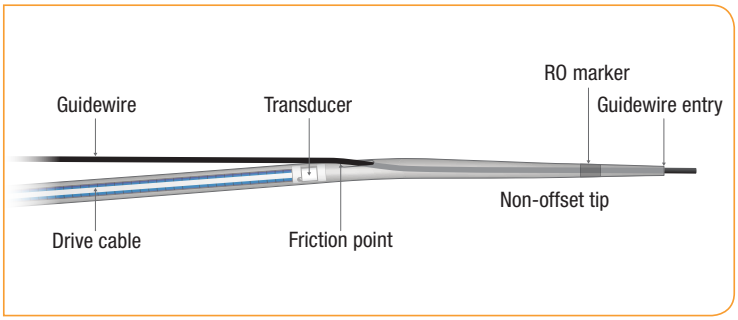
- Short distal tip, offset from the main catheter, improves lesion crossability and trackability and reduces the risk of guidewire entrapment and kinking
- Unique variable flexibility (VariFlex™) imaging window designed for stiffer proximal end and a more flexible distal end provides enhanced pushability and deliverability
- Lubricious hydrophilic coating provides easy navigation in tortuous anatomies



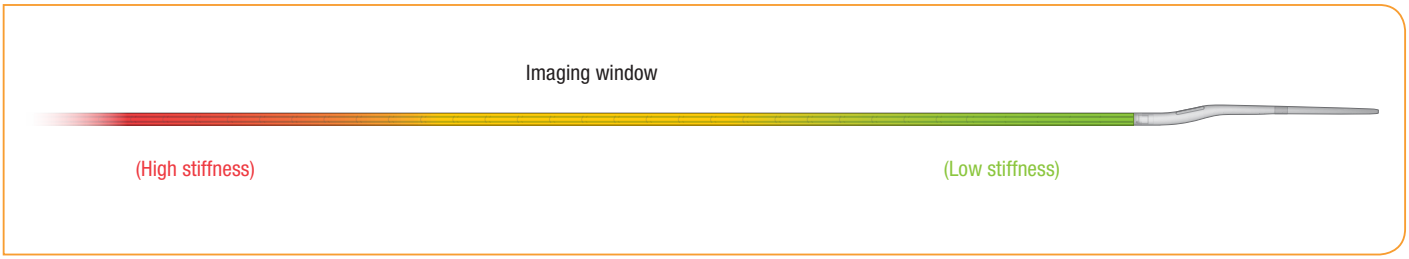
Novel offset tip design of Kodama.

Optimized imaging

- Dual frequency option provides choice for optimal frequency (40 MHz or 60 MHz) to balance tissue penetration and higher resolution needs
- High-fidelity ultrasound transmission, even in stiffer sections (due to the VariFlex imaging window), for pure HD image capture
- Superfine axial resolution (<40 µm) versus other IVUS catheters (~100 µm) due to the 60 MHz transducer
- Quad core, super powerful microprocessor and sophisticated signal processing algorithms for processing of rich IVUS signal data



Standard IVUS catheter tip design.



Kodama's unique VariFlex™ imaging window.

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