

# ACIST HDi Product Specifications

The HDi system enables high-definition IVUS imaging and superfast pullback with the highly deliverable ACIST Kodama® HD IVUS Catheter.



## Product benefits

### Improved image quality

- High-definition 60 MHz images with superfine axial resolution
- Dual frequency option (40 MHz or 60 MHz\*) to balance tissue penetration and higher resolution needs
- Quad core, super powerful microprocessor and sophisticated signal processing algorithms

### Interactive compact console

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

\* Refers to selectable imaging mode

### Superfast pullback

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

### Kodama HD IVUS catheter

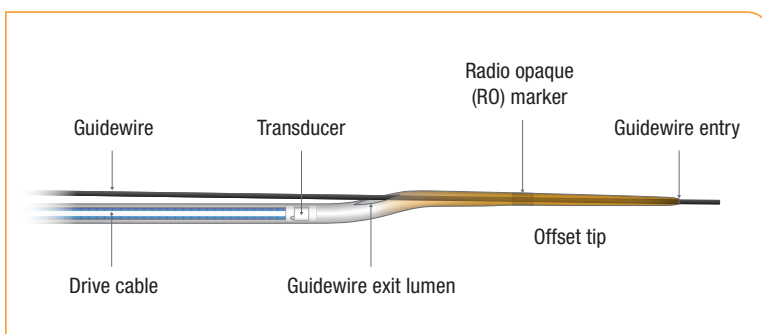
- Short offset distal tip improves lesion crossability and trackability, and reduces the risk of guidewire entrapment and kinking
- Unique variable flexibility (VariFlex™) imaging window allows a stiffer proximal end and a more flexible distal end, providing enhanced pushability and deliverability
-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

**ACIST | HDi™**  
HD IVUS System

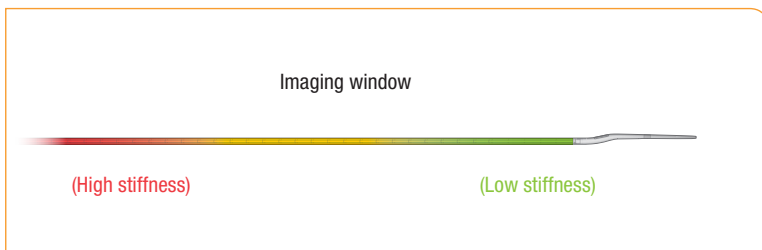
## Product and technical specifications

### HDI console (SKU # 017986)

Power input requirements	100–240 V AC, 3–1 A, 50–60 Hz
Soft tissue penetration	>2.5 mm
Blood penetration	>3.4 mm
Maximum frame rate	60 fps
Frame spacing	17–167 $\mu$ m
Operating temperature range	64–86°F (18–30°C)
Storage and operating humidity range	15–85%, non-condensing
Pressure range	7.3–15.4 psi, 50–106 kPa
Dimensions	Depth: 7.5 cm (75 mm), width: 43.75 cm (437.5 mm), height: 36.5 cm (365 mm)
Weight	16.5 lbs (7.5 kg)
Power cable length	4.0 m (~13 ft) maximum



Novel offset tip design of Kodama.



Unique VariFlex variable-stiffness imaging window.

### Kodama (SKU # 017788)

Ultrasound energy	
Compatible with 0.014-inch (0.36 mm) guidewire	
Compatible with 6 Fr guiding catheter	
Radiopaque marker located 8 mm from distal tip	
Frequency	40/60 MHz
Usable length	142 cm
Length of hydrophilic coating (from distal tip)	~27.5 cm
Telescopic length	12 cm (120 mm)
Pullback length	12 cm (120 mm)
Maximum pullback speed	10 mm/s
Crossing profile	3.2 Fr
Proximal profile	3.6 Fr
Dead zone length (tip to transducer)	2 cm (20 mm)

### PIM (SKU # 017989)

Dimensions	Depth: 5.1 cm (51 mm), width: 20.3 cm (203 mm), height: 7.6 cm (76 mm)
Cable length	4.5 m (~15 ft)
Weight	2.2 lbs (1.0 kg), including cable

PIM: patient interface module

### LTS (SKU # 017988)

Dimensions	Depth: 8.9 cm (89 mm), width: 30.5 cm (305 mm), height: 11.4 cm (114 mm)
Cable length	4.5 m (~15 ft)
Weight	2.8 lbs (1.25 kg), including cable

LTS: linear translation system

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