## Makoto™ NIRS+IVUS Imaging System

A dual-modality intravascular imaging device with the ability to assess vessel structure and plaque composition.

Mechanism of operation	NIRS (Near-Infrared Spectroscopy) & HD-IVUS (Rotational)		
	IVUS Frequency Range: <b>35-65 MHz, 60% Bandwidth</b> IVUS Axial Resolution: <b>20</b> μm*		
Specifications	Pullback Speed: 0.5, 1.0, 2.0 mm/s		
	Live IVUS Speeds: 0.0, 2.0, 10.0 mm/s, Bi-directional motion		
	CDSCO, FDA, CE, KFDA, PMDA		
Product Approval and Indication	<ul> <li>Indications for Use:</li> <li>&gt; Ultrasound Examination of Coronary Intravascular Pathology</li> <li>&gt; Detection of Lipid-Core Plaques of Interest (LCP)</li> <li>&gt; Assessment of Coronary Artery Lipid Core Burden</li> <li>&gt; Identification of <u>patients and plaques at increased risk</u> of MACE.</li> </ul>		



## **Dualpro™** NIRS+IVUS Catheter

Intravascular Imaging catheter for detection of Lipid Core Plaques (LCP) and assessment of vessel structure.

	Mechanism of operation	NIRS, Near-Infrared Spectroscopy & HD-IVUS, 35-65 MHz Rotational	
HD-IVUS for plaque structure visualization NIRS for plaque composition analysis	Specifications	<ul> <li>160 cm Working Length</li> <li>150 mm Imaging Range</li> <li>16 mm Tip to IVUS Image Distance</li> <li>16 mm IVUS Image Diameter</li> </ul> 6F Interventional Guide Compatible <ul> <li>6.014" Guide Wire Compatible</li> </ul>	
		3.2F Crossing Profile	Curro
	Features	Tracking Reinforcement Sleeve (TRS) Dual Layer Hydrophilic Coating Extended Bandwidth IVUS transducer (XB)	



www.niproinindia.com/vascular

## Extended Bandwidth IVUS: HD-IVUS with Depth

Nipro's Dualpro<sup>m</sup> is the only HD-IVUS designed to bring high resolution <u>CLARITY</u> AND <u>DEPTH</u> of penetration. Accept <u>fewer tradeoffs</u> with <u>Extended Bandwidth</u>; take the benefits of both high and low IVUS frequency.

