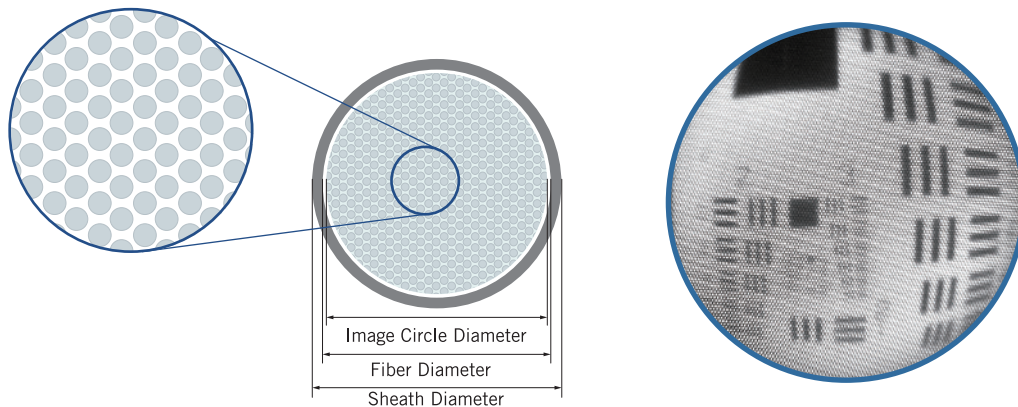
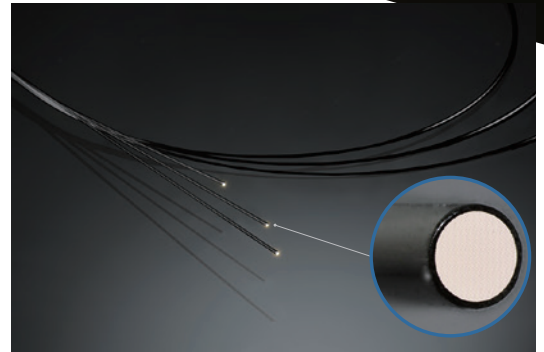


HDIG Semi Flexible

Ultrafine image bundle for minimally invasive treatments

Although it is ultra fine diameter, the HDIG has 10,000 pixels. It gives customers a chance to produce thin endoscope with a diameter of less than 1.0 mm.



Standard Specifications										
Parameters	Units	Tolerances	Specifications							
Pixel Count	-	±10%	30,000	10,000	9,000	5,000	4,200			
Image Circle Diameter	µm	±15	550	327	235	185	210			
Fiber Diameter	µm	±15	570	350	250	195	230			
Sheathing Diameter	µm	±15	600	380	275	220	260			
Bending Radius	mm	-	-	R20						
Maximum Length	%	-	500	1500						
Pixel Defect	%	-	< 0.1							
Non-Circularity	%	-	< 5							
Sheathing Material	-	-	Black Polyimide							
Objective Lens for pixel			30,000	10,000	9,000	5,000	4,200			
Field of View	degrees	±15	110	75	120	90	80	58	-	
W.D.	mm	-	8	5	7	10	5	-	-	
Depth of Field	mm	-	5 - 30				-	-		
Outer Diameter	mm	±0.02	0.7	0.43	0.37	-	-			

*HDIG - No specification on angle of twist *Objective Lens - Offered only assembled with HDIG *Please contact us on customized products