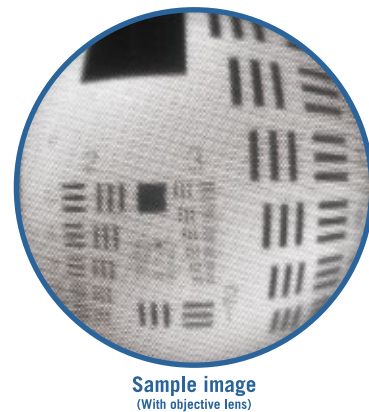
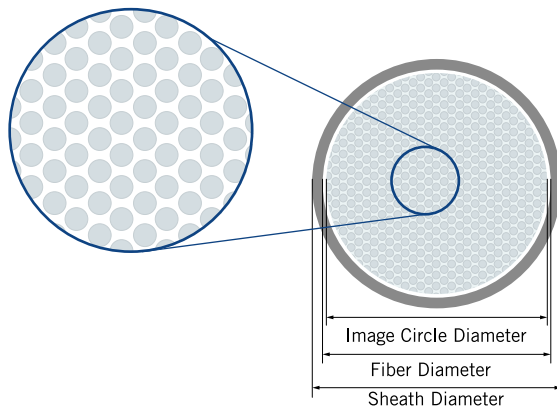
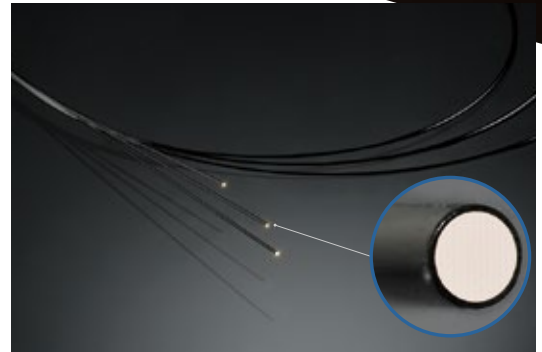


HDIG Semi Flexible

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	mm	-	500	2500			
Pixel Defect	%	-	< 0.1				
Non-Circularity	%	-	< 5				
Sheathing Material	-	-	Black Polymide				
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