LINE CONFOCAL SENSORS

Check out the technical specifications and find the right sensor for your needs.

	LCI401	LCI1200	LCI1201	LCI1600	
Hardware					
Optical profile length	4.30	11.26	11.26	16.40	mm
Pixel size X	2.10	5.50	5.50	8.00	µm
Pixel size Y	4	25	10	36	µm
Z-resolution	0.11	0.55	0.66	0.98	µm
Stand-off distance	8.00	16.16	20.58	64.00	mm
Z-range	1.10	2.80	3.00	5.50	mm
Measurement speed at full z-range	300	500	500	500	Hz
Max measurement speed	5000	5000	5000	5000	Hz
Number of points/profile *	2048	2048	2048	2048	
Wavelength	VIS	VIS	VIS	VIS	
Max slope of objects	± 15	± 20	± 20	± 13.50	deg
Dimensions	300x202x62	645x314x130	419x354x91	432x358x113	mm
Weight	4	24	14	20	kg
Level of protection (EN 60529)	IP55	IP30	IP55	IP30	
Power				24 VDC, 2A	
PC connectivity				Gigabit Ethernet	
Line synchronization				Three fast isolated digital inputs, 24 V	

Software

FocalSpec Software Development Kit (FSSDK) for Windows: C/C++, C#, LabVIEW, HALCON, and EVT

FocalSpec Software Development Kit (FSSDK) for Linux: C/C++

Analysis software: FocalSpec Map

*Output: X (µm), Z (µm) and intensity for each profile point
Specifications are subject to change without notice. Technology is world wide patented.