

Canon CANON COMPONENTS, INC.

Industrial inspection Contact Image Sensor

IDC series

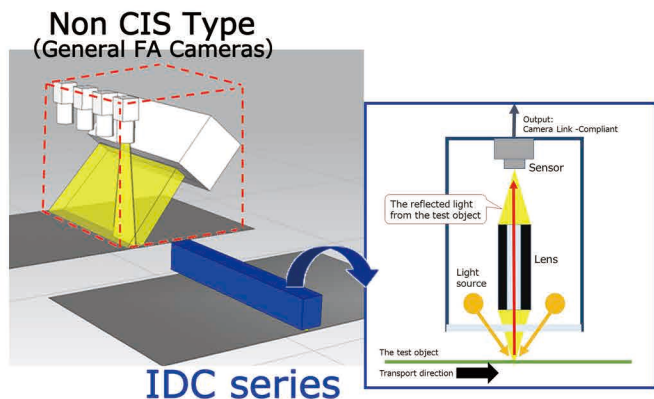
165mm CIS for Label inspection



- Built in illumination
- Minimize non-effective area
- 600/300/200dpi (Selectable)
- Camera Link -Compliant
- Scan mode (Color/monochrome)
- Equipped with non-saturation mode (TIS mode)
- Maximum transfer speed 36m/min. (600dpi/color)

All in One

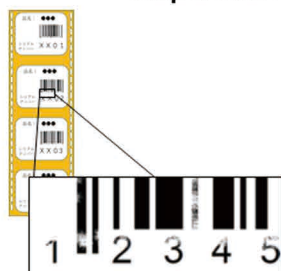
Built in optical and signal process is able to minimize the space compared with existing industrial camera



Use example

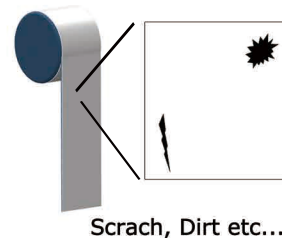
- Print inspection
- Web inspection
- Other surface inspection

Ex. Label print inspection

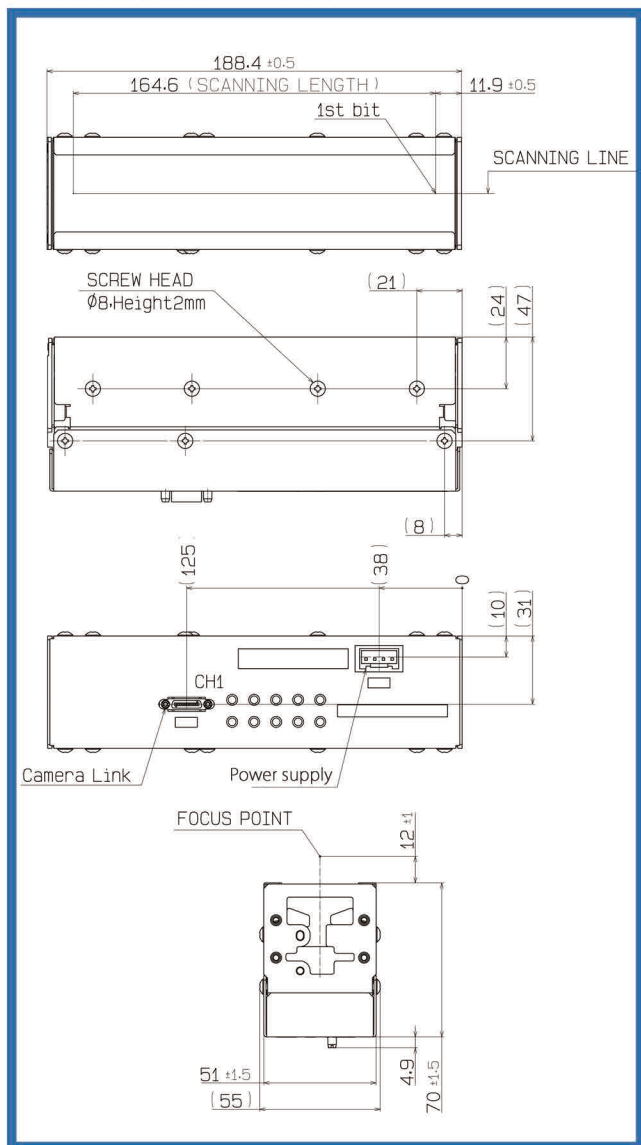


Print quality, Data integrity etc...

Ex. Web inspection



● External view

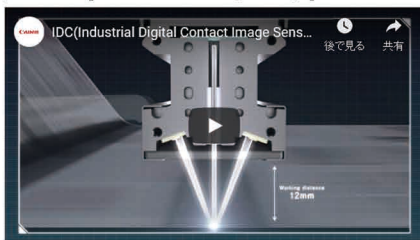


● Specifications

Item	IDC165	Remarks
Scanning length	165mm	
Effective scanning length	165mm	
Effective pixel number	3,888 x 3 (RGB)	600dpi
Pixel number	3,888 x 3 (RGB)	
Scanning density	600/300/200dpi	
Pixel CLK frequency	20MHz	
Pixel data	RGB 8bit	
Scanning speed color/monochrome x 1	600dpi : 71μs/line(36mpm, 14kHz) 300dpi : 38μs/line(132mpm, 26kHz) 200dpi : 28μs/line(276mpm, 36kHz)	RGB color or Mono I
Scanning speed monochrome x 3	600dpi : 27μs/line(92mpm, 37kHz) 300dpi : 16μs/line(307mpm, 61kHz) 200dpi : 13μs/line(595mpm, 78kHz)	Mono II
Output(Digital)	Camera Link-Compliant Base x 1port	
Output data CLK	60MHz	
Optical system	Rod Lens Array	
Luminous source	White LED	
Supply voltage	VCC : 5V±5% VLED : 24V±5%	
Power consumption	VCC : 0.7A VLED : 0.3A	VCC Current : Effective value LVCC Current : Effective value at LED ON Duty 100%
Outer dimension	W188 x H70 x D53mm	
Weight	0.6kg	

● Introduction movie

<http://compo.canon/en/product/cis/>



IDC(Industrial Digital Contact Image Sensor) series

*Specifications of the product might be changed to improve without a notice

Product Inquiry

©CANON COMPONENTS,INC. CIS Business Group homepage
<http://compo.canon/en/product/cis/>



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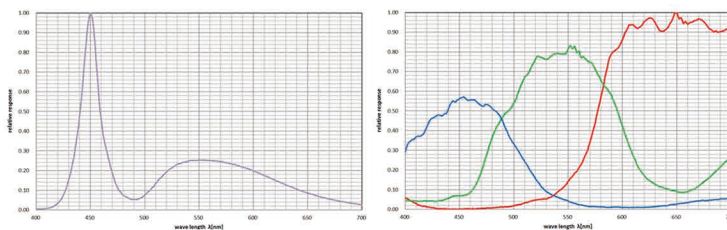
7-5-27, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa
211-0053, Japan

*Monochrome x 3 mode (Mono II) is not available with TIS mode

TIS mode : It works in case the external signal stops or slows down to avoid pixel saturation

*Camera Link is a registered trademark of AIA

● Spectrum response Reference value



Illumination

Sensor IC

Date.2019.Oct