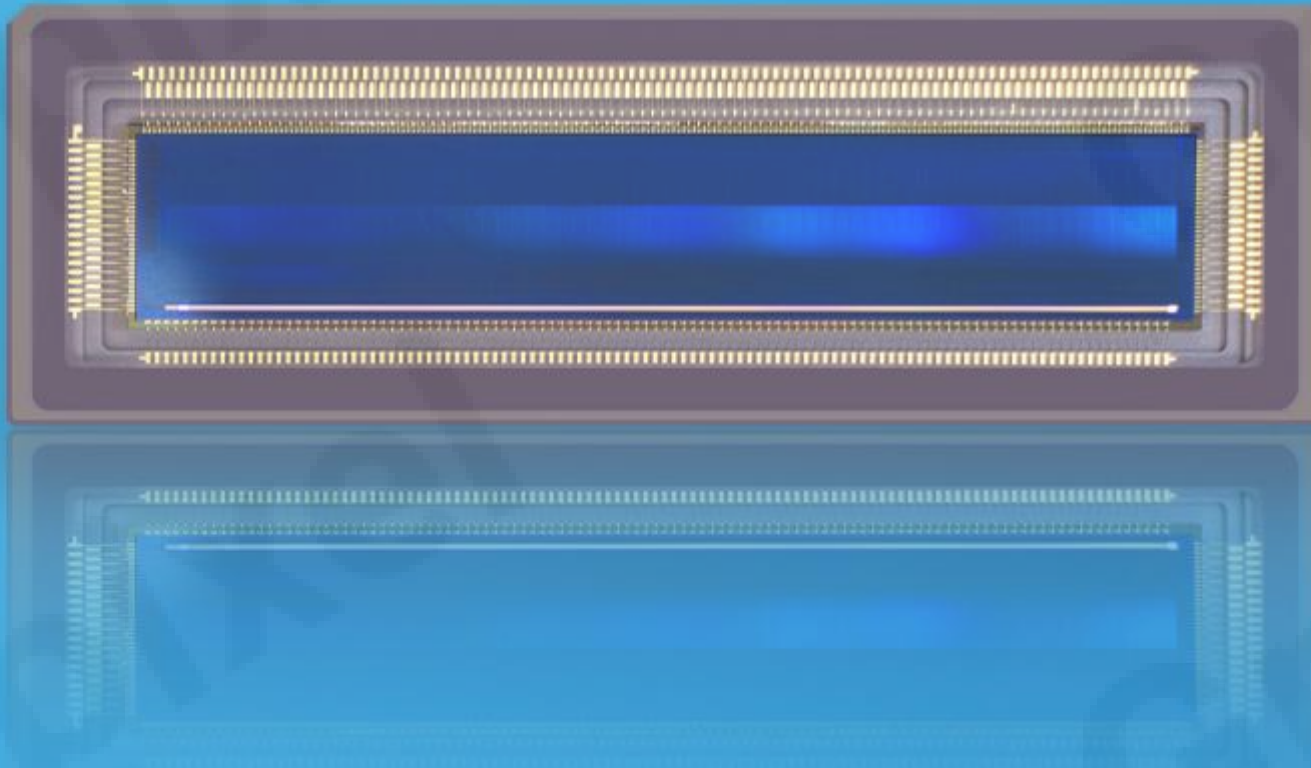
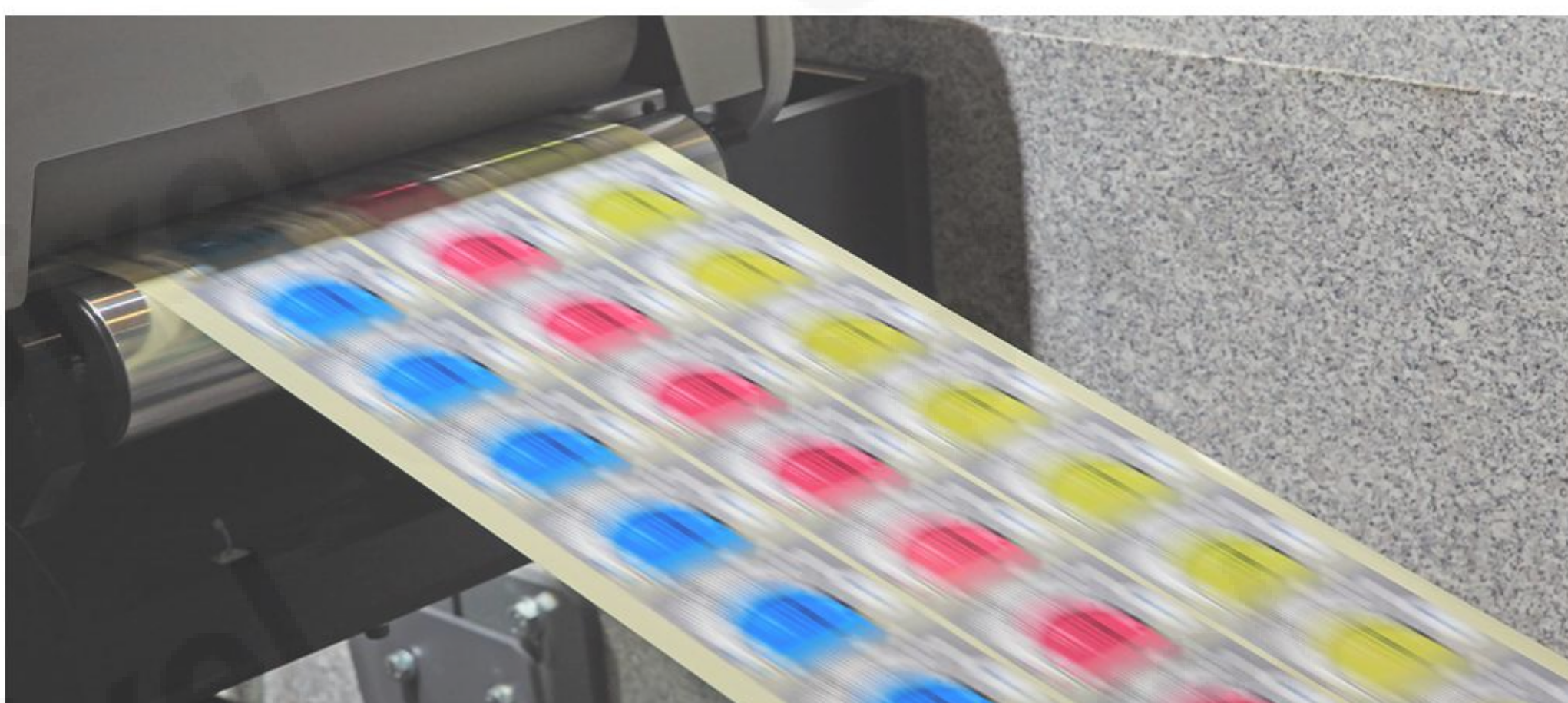




GL0816

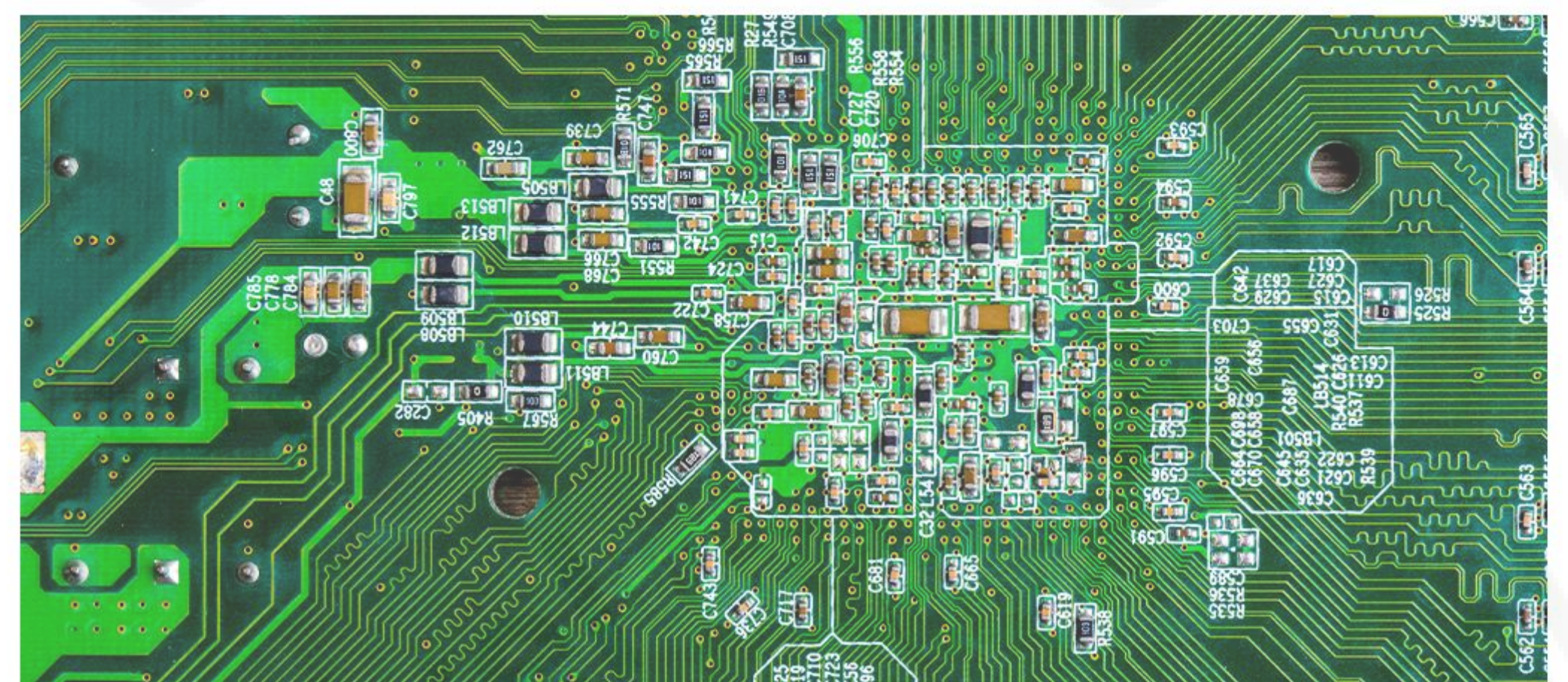
8K 5 μ m GLOBAL SHUTTER LINE SCAN CMOS IMAGE SENSOR

Designed for high speed industrial inspection, **GL0816** is a line scan CMOS image sensor consists of 16 lines of 8322 pixels with 5 μ m pixel size and 5 μ m inter-line spacing. It supports dual line, 4-line readout and max 8 lines with 2-stage on-chip TDI. The maximum line rate of **GL0816** is 200 kHz. **GL0816** is manufactured with Mono or RGBW 4-band CFA with low color crosstalk to enable accurate image reproduction.



Key Features and Benefits

- ▶ High Speed
- ▶ High Resolution
- ▶ TDI



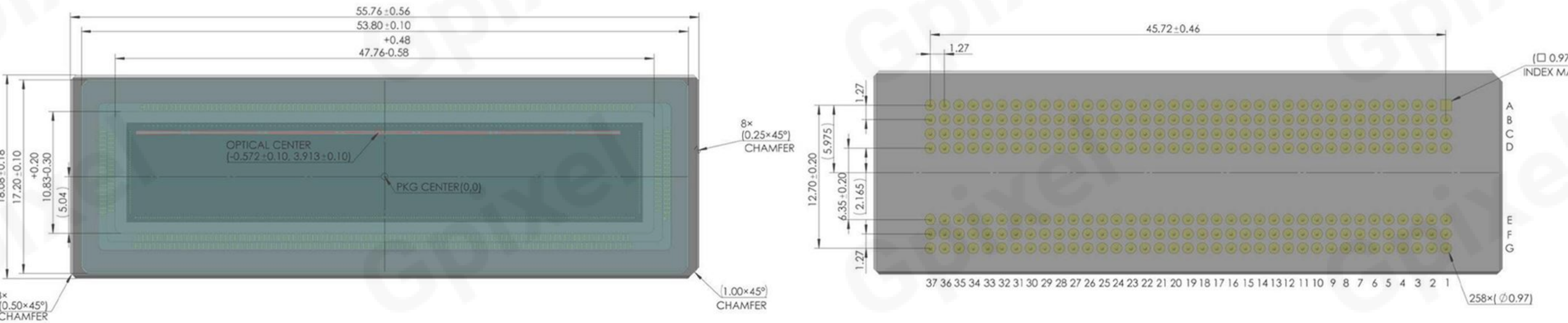
Applications

- ▶ Automation & Inspection

Specifications

Nr of Active Pixels	8322 (H) x 16 (V)	Optical Format	41.61 mm
Pixel Size	5 μm x 5 μm	Shutter Type	Global Shutter
Peak QE	>70% (600 nm)	Temporal Noise	13 e ⁻ (11 bit, dual line)
Full Well Capacity	17.0 ke ⁻ (11 bit, dual line) 15.0 ke ⁻ (10 bit, quad line)	Angular Response	>15° (85% Response)
Dynamic Range	62.0 dB (11 bit, dual line)	Max Line Rate	200k fps (11 bit, dual line) 100k fps (10 bit, quad line)
Output Format	66 ch Sub-LVDS	ADC	10/11 bit
Chroma	Mono, RGB Color	Power Consumption	< 4 W
Supply Voltage	3.3 V (analog) 2 V (digital/LVDS) 2.2 V (ADC)	Package	258 pins μPGA (55.8 mm x 18.1 mm)

Package Drawing



Contact Gpixel

GPiXEL CHINA CHANGCHUN (HQ)

Building 5, Optoelectronic Information
Industrial Park, 7691 Ziyou Road,
130033 Changchun, Jilin, China
Phone: +86-431-85077785
Disclaimer: The product information and pictures in this flyer are for reference only. For the latest information please visit www.gpixel.com.
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GPiXEL EUROPE

Gpixel NV
Copernicuslaan 60, 2018
Antwerpen, Belgium
Phone: +32-33034442

GPiXEL JAPAN

Gpixel Japan Co., Ltd.
TOC Osaki Building 18th Floor, 1-6-1 Osaki,
Shinagawa-ku, Tokyo, 141-0032 Japan
Phone: +81-03-5962-1600

