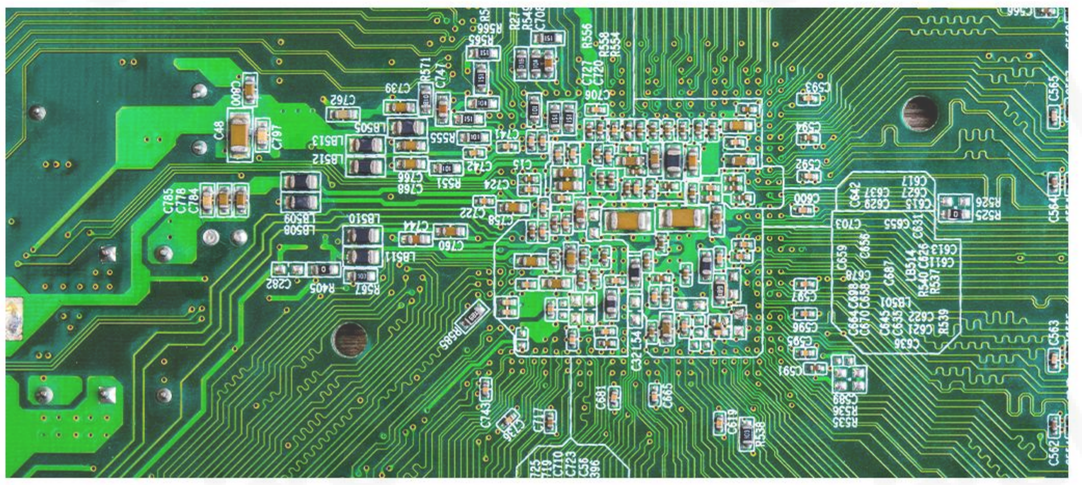


GL0816

8K 5 μm 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 μm pixel size and 5 μm 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

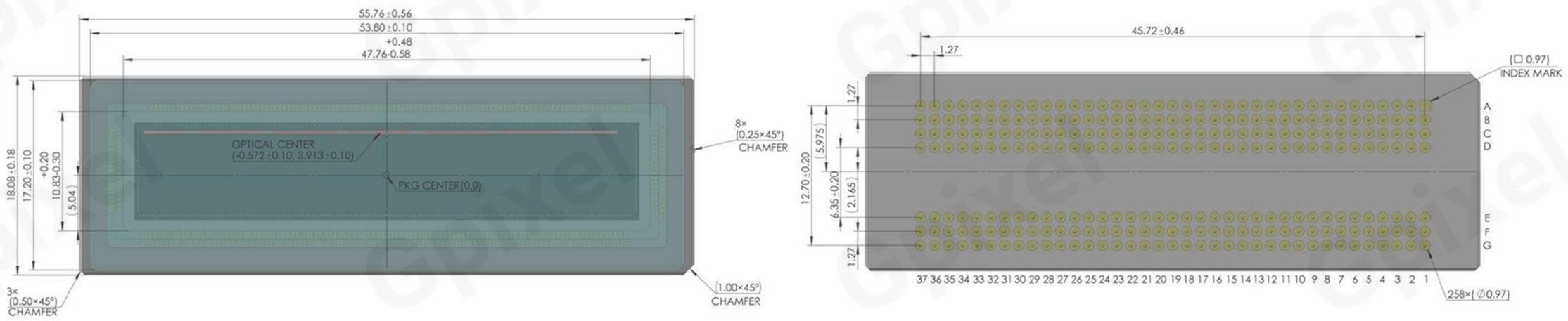
- Automation & Inspection

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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	200 kHz (11 bit, dual line) 100 kHz (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



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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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