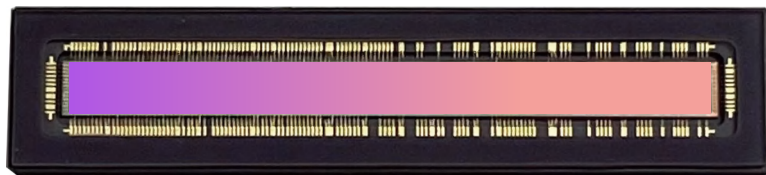


# ISL4K2KS



## LINE SCAN CMOS IMAGE SENSOR

### 产品介绍 CHIEF APPLICATION

The ISL4K2KS is a linear array CMOS image sensor chip with an effective pixel array of 4X4096. The chip adopts a 7um global pixel structure to support DCG mode and supports Binning expansion to 14um pixels. The chip uses LVDS output, SPI configuration interface, ADC12bit wide sampling, up to 40K line frequency.

### 规格说明 Specification

项目   Item	参数   Parameters
Active Array Size	4(H)*4096(V)
Pixel Size	7.0um x 7.0um
Lens Size	2 inch
Operating Junction Temperature	-40~85°C
Output Format	RAW12
Sensitivity	33.5V/Lux.s
Full Well Capacity	10Ke <sup>-</sup>
Dynamic Range	74dB
SNR Max	39dB
Line Rate	40KHz
Chroma	Mono/RGB/RGB_NIR

### 应用场景 Application Scenarios

- 色选机  
Color Sorter
- 印刷品检查  
Checking Of Printed stock
- 工业检测领域  
Industrial Testing field

### 产品特性 Product Feature

- HDR  
HDR
- 高速数据传输  
High Speed data transmission
- BSI工艺  
BSI Process
- 片上增益控制  
On-chip Gain control



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