

SPECIFICATIONS

PRODUCT SPECIFICATIONS



SMART SORTING FEATURE
DIGITAL CCD LINE SCAN
1024 PIXELS
CAMERA LINK OUTPUT
LINE RATES UP TO 58.5 KHZ

BASLER SL104 K-1K SORTER

Features/Benefits

- Detect, analyze and sort defective parts without a PC, frame grabber or imaging software
- Keep the system small, reliable and very cost effective
- Stay independent from Windows® updates, service packs, etc.
- Superior image quality improves your image processing results
- Camera setup tool lets you configure your camera with ease
- LED indicators and test image generation reduce integration time and troubleshooting

Description

The SL104k-1k Sorter is based on Basler's highly responsive L100k line scan series. The camera's new smart "sorter" feature reduces the image information to 16 bits per line. Each bit represents a segment of the sensor and indicates to an attached imaging device that a defect has been found.

Using 2 variable thresholds, the sorter can identify defects within a target gray level range. When the thresholds are combined with a parameter specifying a minimum number of adjacent pixels, the sorter can identify defects by size as well.

You can use this sorter feature in many line scan applications where defects can be recognized by gray level or size.

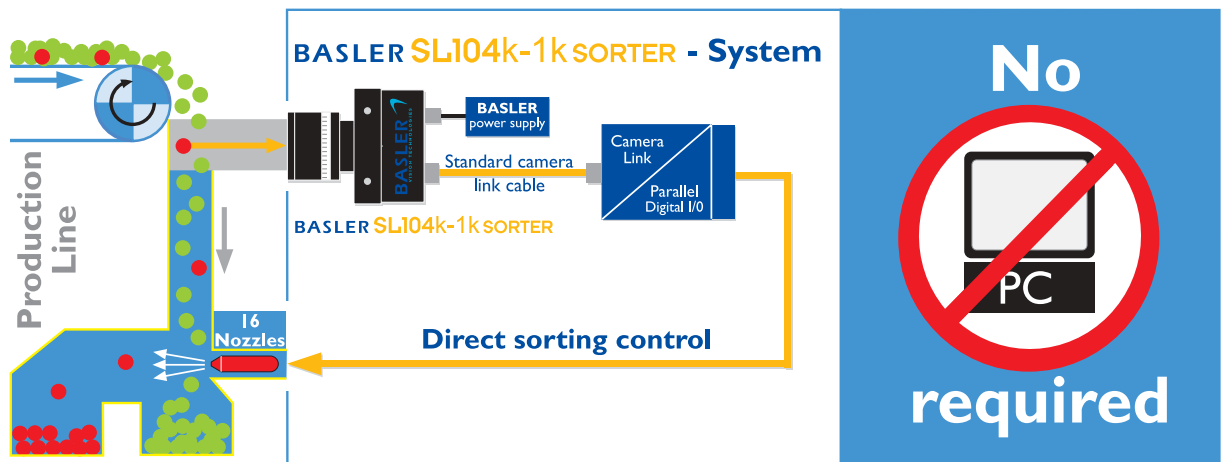
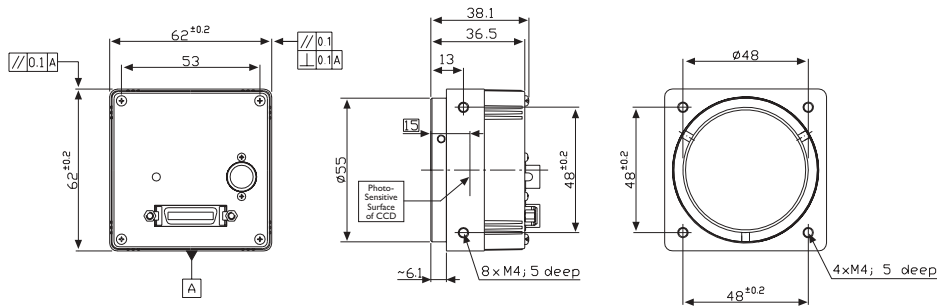
Please see our detailed User's Manual for more information.

Applications

- Grain inspection
- Food inspection
- Any application with defects that can be recognized by size or color

Dimensions (in mm)

SLI04k-1k Sorter (Camera Link)



For system setup, a PC with a frame grabber is helpful but not mandatory. During normal operation, the PC is not required, but can be used if desired.

Specifications	SLI04k-1k Sorter
Sensor Size	1024
Sensor Type	Linear CCD
Pixel Size	10 μm x 10 μm with a 10 μm pitch
Pixel Speed (MHz)	62.5
Max. Line Rate (kHz)	58.5
Video Output Formats	Single or dual tap, 8 bit 16 bit binary
Synchronization	Via external trigger or free-run
Exposure Control Modes	Edge-controlled, level-controlled, or programmable
Power Requirements	12VDC ($\pm 10\%$) max. 10W
Lens Mounts	C-mount or F-mount
Housing Size (L x W x H)	38.1 mm x 62 mm x 62 mm
Weight	max. 285 g
Conformity	CE and FCC

Specifications are subject to change without prior notice.

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