

SPECIFICATIONS

PRODUCT SPECIFICATIONS



DIGITAL CCD LINE SCAN
3 x 2098 PIXELS
TRI-LINEAR
COLOR OR MONOCHROME
CAMERA LINK™ OUTPUT
LINE RATES UP TO 9.2 KHZ

BASLER L300 SERIES

Features/Benefits

- Does not require an expensive matched lens to capture optimum quality images providing you an affordable solution for color imaging
- Use of a tri-linear sensor results in a very compact camera reducing the space needed in your installation
- 100% factory testing ensures consistent product quality
- LED indicators and test image generation capability reduce your integration time and aid troubleshooting
- An integrated spatial correction feature combines color information from the lines in the sensor eliminating the need for computer resources to perform this process
- Windows® setup tool lets you configure your camera with ease
- Electronic exposure time control provides maximum flexibility

Description

The L300 Series of digital line scan cameras is designed for industrial users who require color image capture at a reasonable cost. The cameras can be triggered via an external sync signal or run in an internally controlled "free-run" mode. L300 cameras operate with a single voltage power supply and have the remarkably simple cabling requirements outlined in the Camera Link standard. A combination of features such as digital shift, test images, and indicator LEDs, ensure that these versatile cameras provide an exceptional price/performance ratio.

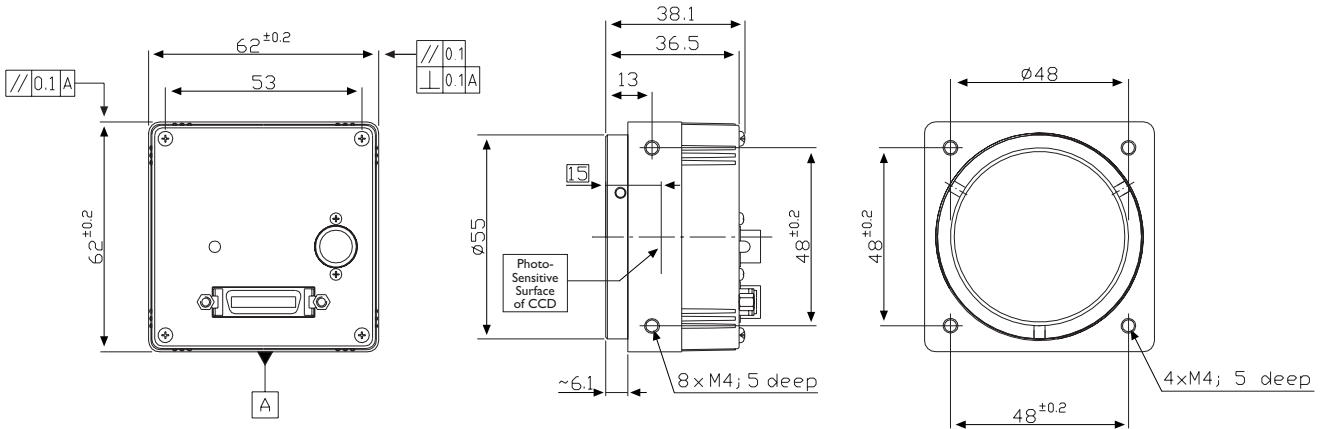
Applications

- Document scanning
- Print inspection
- Web inspection
- Food and forestry products inspection
- Tissue sample scanning
- Many other vision applications

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Dimensions (in mm)

L301kc/k (Camera Link)



Specifications	L301kc	L301k
Sensor Size	3 lines x 2098 pixels	
Sensor Type	Tri-linear CCD color	Tri-linear CCD monochrome
Pixel Size	14.0 μ m x 14.0 μ m, 14.0 μ m pitch	
Center-to-center spacing between color channels	112 μ m	
Pixel Clock	20 MHz (in 8 bit RGB output mode)	20 MHz (in 8 bit triple output mode)
	40 MHz (in dual 8 bit or 10 bit output mode)	
	60 MHz (in single 8 bit or 10 bit output mode)	
Max. Line Rate	9.20 kHz (spatial correction off)	
	8.0 kHz (spatial correction on)	
Video Output Type	Camera Link (Base)*	
Video Output Format	Single pixel 8 bits, single pixel 10 bits, dual pixel 8 bits, or 8 bit RGB (selectable)	
Synchronization	Via external trigger or free-run	
Exposure Control	Edge-controlled, level-controlled or programmable	
Power Requirements	12VDC (\pm 10%), max. 5.1 W	
Lens Mount	F-mount	
Housing Size (L x W x H)	38.1 mm x 62 mm x 62 mm	
Weight	max. 282 g	
Conformity	CE and FCC	

Specifications are subject to change without prior notice.

*The output is RS-644 LVDS when this camera is used with an optional Basler Interface Converter (BIC)

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