

# Basler AI00k Series



**Digital CCD Area Scan  
Color or Monochrome  
Camera Link® Output  
Up to 15 fps at  
1.45 Megapixels**

## Description

The AI00k Series of high-performance, digital cameras is ideal for a variety of industrial applications. The cameras can be triggered via an external sync signal or run in an internally controlled „free-run“ mode. AI00k cameras operate with the easy to use Camera Link® interface. A combination of features such as low smear, test images, and indicator LEDs, ensure that these versatile cameras provide an exceptional price/performance ratio.

The AI00k series cameras are ideal for applications like: Semiconductor and component inspection, manufacturing quality control, traffic control, food and beverage inspection, microscopy and medical imaging and many other vision applications. For IEEE1394 models of the AI00 series please have a look at the AI00f series brochure.

## Basler Camera Test Tool



To ensure consistently high product quality, we employ several quality inspection procedures during manufacturing. Basler customers get a 100% tested camera, all of the benefits that go along with 100% testing, and a much higher level of satisfaction. This is a definite win-win situation.

### Your benefits include:

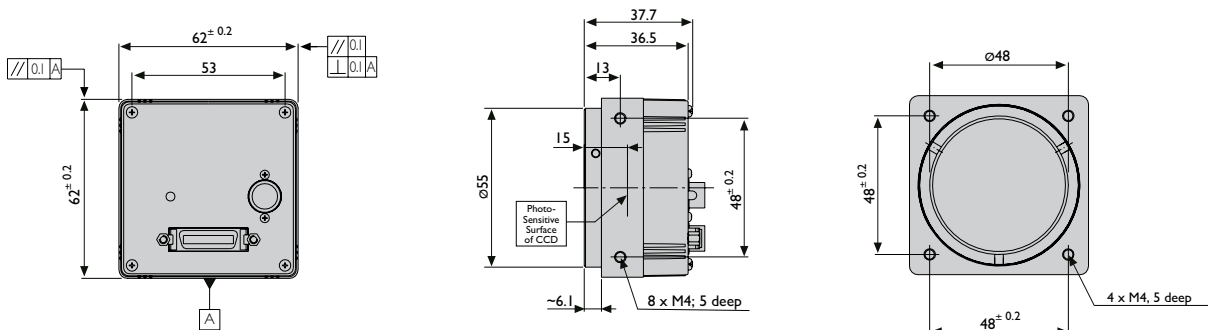
- Superior image quality improves your image processing results
- Super compact size reduces the space needed in your installation
- 100% factory testing ensures consistent product quality
- Test image generation capability reduces your integration time and aids troubleshooting
- Area of Interest (AOI) scanning allows higher frame rates
- Low smear feature improves your performance when using a pinpoint light source
- Electronic exposure time control provides maximum flexibility

# Specifications

Basler AI00k Series	AI02k	AI02kc
<b>Camera</b>		
Resolution	1392 x 1040	Raw: 1392 x 1040, RGB: 1391 x 1039
Sensor Type	Progressive Scan CCD	
Pixel Size (µm)	6.45 x 6.45	
Camera Link Clock	28 MHz	
Frame Rate at Full Resolution	14.8 fps	
Mono/Color	Mono	Color
Video Output Type	Camera Link (Base)	
Video Output Format	Single Pixel 8, 10 or 12 bits	Single Pixel 8, 10 or 12 bits, 24 bit RGB
Synchronization	Via external trigger or free run	
Exposure Control	Level-controlled or programmable	
<b>Mechanical / Electrical</b>		
Housing Size (L x W x H)	37.7 mm x 62 mm x 62 mm	
Weight	Max. 292 g	
Power Requirements	12 VDC (± 10%), max. 3.5 W	
Mount-Type	C-mount or F-mount	
Conformity	CE, FCC	

Specifications are subject to change without prior notice

# Dimensions (in mm)



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