PRODUCT SPECIFICATIONS

DIGITAL CMOS AREA SCAN

CAMERA LINK™ OUTPUT

COLOR OR MONOCHROME

UP TO 96 FPS AT 4 MEGAPIXELS

BASLER A400 SERIES

Features/Benefits

- **Superior image quality improves your image processing results**
- **Compact size reduces 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**
- **Area of Interest (AOI) scanning allows higher frame rates**
- **Windows® setup tool lets you configure your camera with ease**
- **High camera speed and programmable AOI sequencer allow high machine throughput**
- **Image quality improvement by PRNU (monochrome versions only) and DSNU correction**
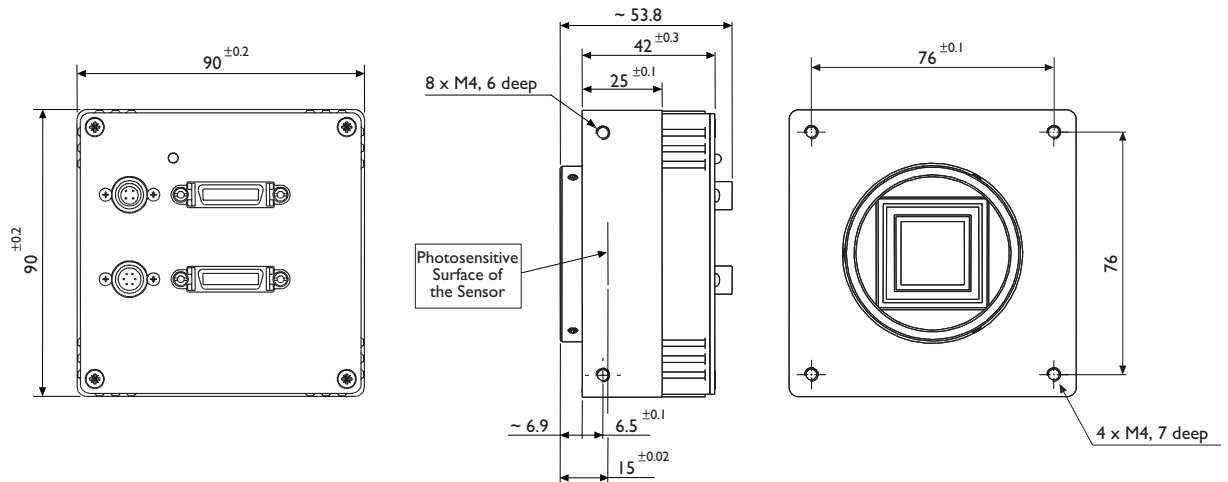- **Flash control**

Description

The A400 Series of high-performance, digital cameras is ideal for industrial users who require the exceptionally high frame rates at 4 Megapixel resolution. A400 cameras operate with a single voltage power supply and have the advantages of 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 deliver an exceptional price/performance ratio. Special features such as programmable AOI, exposure time sequencer and flash window indicator let you reach maximum throughput of your machine.

Applications

- Wafer inspection
- PCB inspection
- Populated board inspection
- Manufacturing quality control
- Many other vision applications

BASLER VISION TECHNOLOGIES

BASLER VISION COMPONENTS

A400k (Camera Link)

Specifications	A402k/kc	A403k/kc	A404k/kc
Sensor Size (H x V Pixels)	2352 X 1726		
Sensor Type	Progressive Scan CMOS		
Pixel Size	7 μm x 7 μm		
Pixel Clock	50 MHz	50 MHz	50 MHz
Max. Frame Rate at Full Resolution	24 frames/s	48 frames/s	96 frames/s
Color / Mono	Color/Mono	Color/Mono	Color/Mono
Video Output Type	Camera Link (Base)*	Camera Link (Medium)	Camera Link (Full)
Video Output Format	2 taps, 8 bits/10 bits	4 taps, 8 bits/10 bits	8 taps, 8 bits
Synchronization	Via external trigger or free-run		
Exposure Control	level-controlled, or programmable		
Power Requirements	12 VDC (±10%) max. 6.5 W	12 VDC (±10%) max. 7.0 W	12 VDC (±10%) max. 7.2 W
Lens Mount	F-mount		
Housing Size (L x W x H) (without lens adapter)	42 mm x 90 mm x 90 mm		
Weight	max. 605 g	max. 615 g	max. 615 g
Conformity	CE, 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 (k-BIC)