

BAPis LC – S230 300 DPI Color Line Scanner



Features:

- Maximum scan width up to 230 mm (9 inches)
 - Maximum scan speed up to 4,5 m/s (197 IPS)
 - Maximum bit rate: 2 x 5 Gbps depending upon the readout
 - Pixel depth: 8 bits per color channel (extension to 10 bits and 12 bits possible)
 - Configuration channel speed: 20.83 Mbps
 - Camera power supplied via CXP interface – BNC cables
 - External power supply: 24V (3A for integrated LED light)
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- Power consumption for LED light up to: 70W/24V
 - Offset correction at sensor's chip
 - Non-volatile shading correction
 - Time-based line synchronization or line synchronization based on an external trigger
 - Wide range of electrical standards accepted (LVTTTL, TTL, CMOS, 0-24V)
 - Optional secondary external trigger for page valid synchronization, print marker masking, light control, etc.
 - Two CXP lines (75 Ohm coax cables up to 25m)
 - Housing dimensions: 269 x 195 x 141 mm (10,591 x 7.677 x 5.551 inches)
 - Scanner weight: 4,7 kg (10.36 lbs)

Description:

The BAPis LC-S230 300 DPI Color Line Scanner assembly comprises a LC4K100CXP electronic camera based on a DR-2x4K-7 Awaiba color CMOS sensor, a BAPis special developed high-power LED lighting controlled through the camera software, two CoaXPress (CXP) interfaces, and multiple optical mirrors. All components are fully integrated inside a metal housing equipped with a see-through window.

Keeping machine integration in mind, special effort was taken to keep the housing dimensions at minimum by applying a special and very precise optical mirror arrangement.

With a speed of up to 4.5 m/s in full-line readout mode, the fast data transmission is very well suited for quality control applications in today's high-speed digital print lines as well as in other industrial production lines where scan speed and image quality are essential requirements.

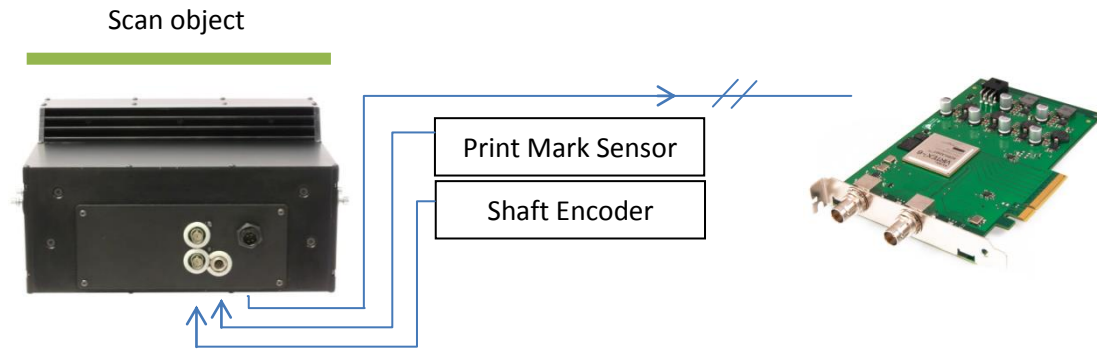
CoaXPress



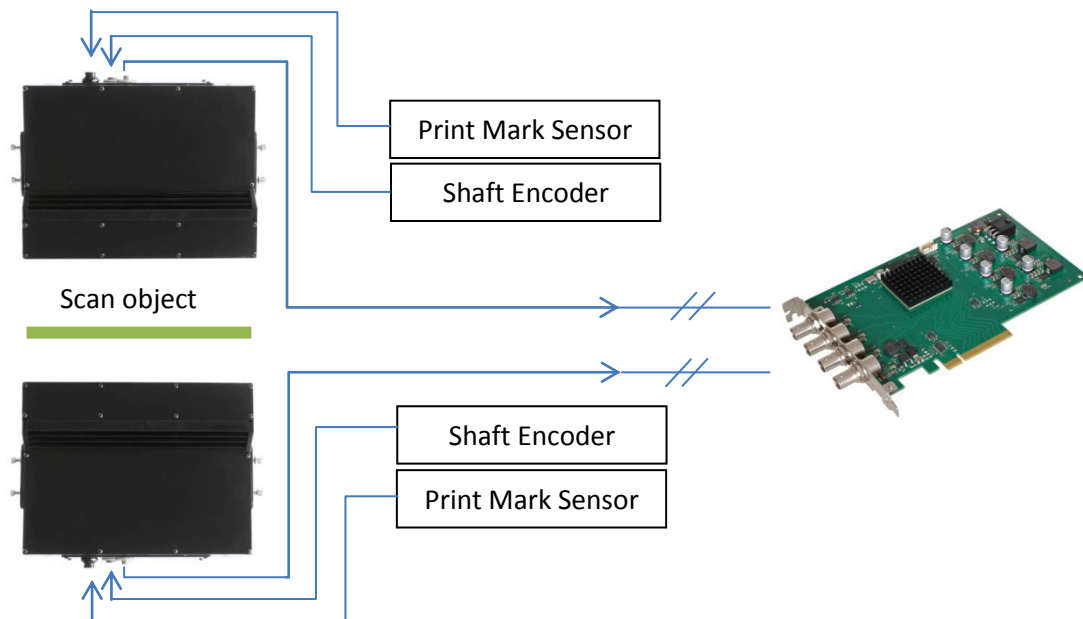
CXP-6

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Front side scanner with 2 x CXP



Front and back side scanner with 4 x CXP



The LC-S230 camera using the BAPis CoaXPress frame grabber reaches the maximum line rate of 78K scan lines/s at 8-bit RGB matrix pixel mode and full-line readout.

BAP Image Systems (BAPis) is a dependable and reliable imaging products and solution provider with highly proven industry experience. BAPis develops and manufactures cameras based not only on high speed CCD and CMOS line sensors, but also on area CMOS/CCD sensors. BAPis cameras are used in the machine vision industry as well as in the film industry.

Additionally, BAPis develops and produces image grabbers and processing boards based on DSP and FPGA technologies using its own algorithms. Image processing boards are matched with camera performance and, when combined, are able to reach the highest possible throughput.

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