

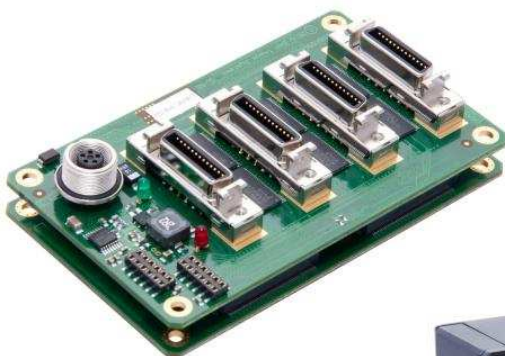
## Digital Grayscale/Color Camera 100K Scanlines/s – LC8K100CL

### Technical description:

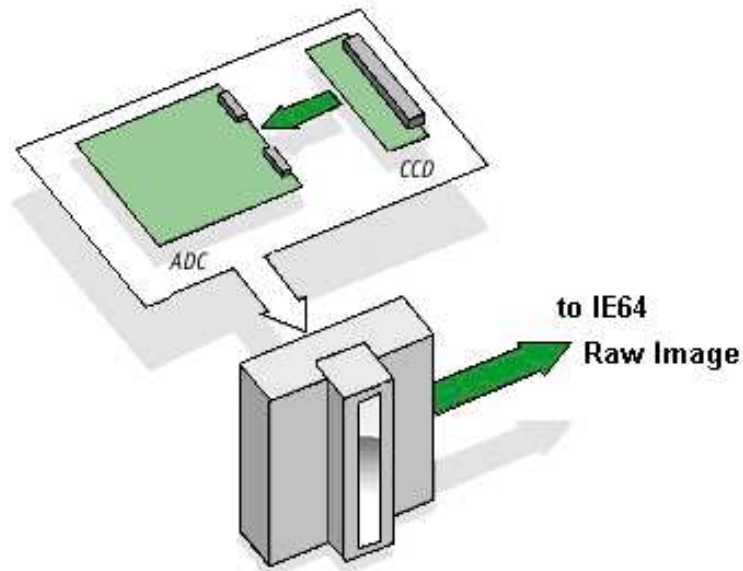
- Resolution: up to 600dpi DIN A3
- Bit depth: 8, 10, 12bit gray-scale or 24bit color.
- Number of effective pixels: 8k grayscale or 2 x 8k Bayer matrix color.
- Pixel size: 7x7 um square
- Performance: 78 000 scan lines per second for 6144 pixel line length and 8 bit depth. (Planned extension to 100 000 scan lines per second in 8192 pixel line length 24bit color).
- Speed: depending on size and resolution (e.g.: 1700 pages per minute DINA4 300DPI)
- Interfaces: Camera Link Full configuration (dual Camera Link socket) or custom dual Camera Link Full (four Camera Link sockets).
- Cable: Camera Link for image transfer and camera set up
- Power supply: single 12V @ 1A.

### Advantages:

- Extreme image quality due to true 12bit processing and image output.
- Adjustable line length.
- Selectable working frequency.
- Horizontal and vertical image re-scaling (anti-aliased).
- Non-volatile camera calibration (flat field + shading compensation).
- Pre-processing of the image content.
- Precise, curve based contrast and brightness enhancement through LUT.
- RS232 interface for set up and software updates.
- Built-in test patterns for debugging and verification.
- Other functions included



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The electronic of the LC8K100CL is capable of capturing the gray image with resolution up to 600dpi, DIN A3. The resolution depends on the optical part of the camera and light system and set up parameters of the camera. The camera electronic has to be included in the customer's optic system.

The camera is able to scan images with defined resolution depending on the active number of pixels. The quality of the image depends on the light, optic and paper transport system.

The LC8K100CL works with Image Engine (IE64 and IE64\_HS). The IE64 supports two cameras. All necessary image processing functions can be customized using the open interface. The IE64 has standard USB2.0 interface to Host-PC.

**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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