

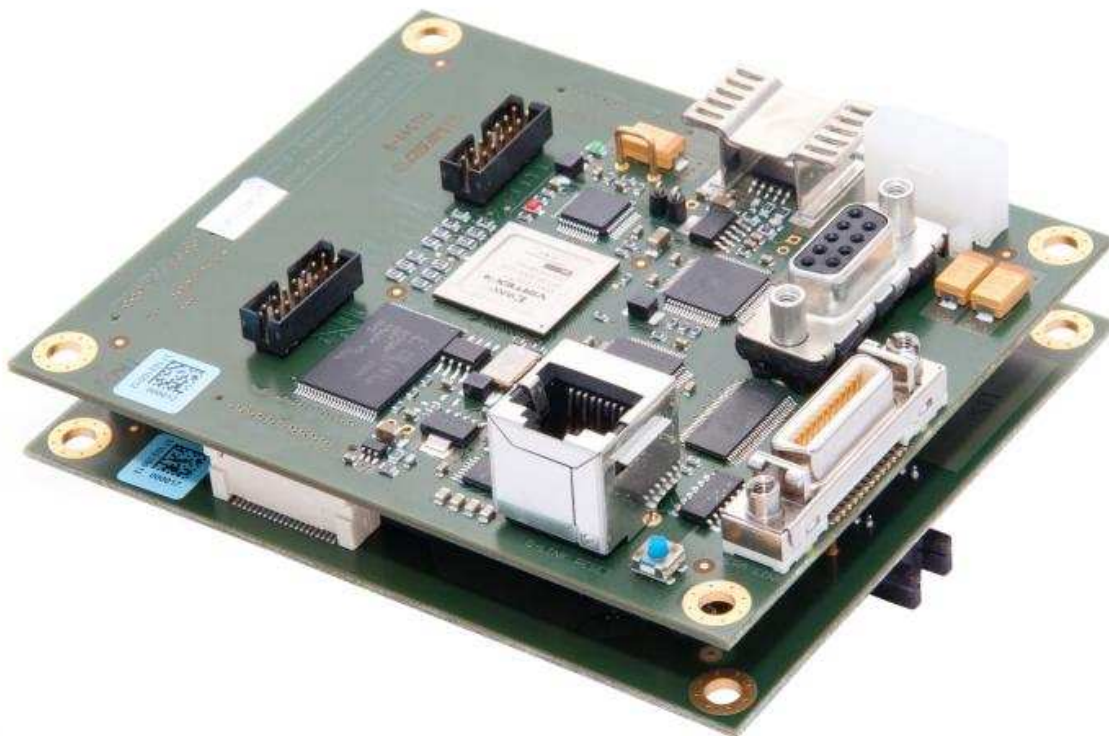
## Digital Grayscale Camera Electronic 100MHz – Cam100G\_SET

### Technical description:

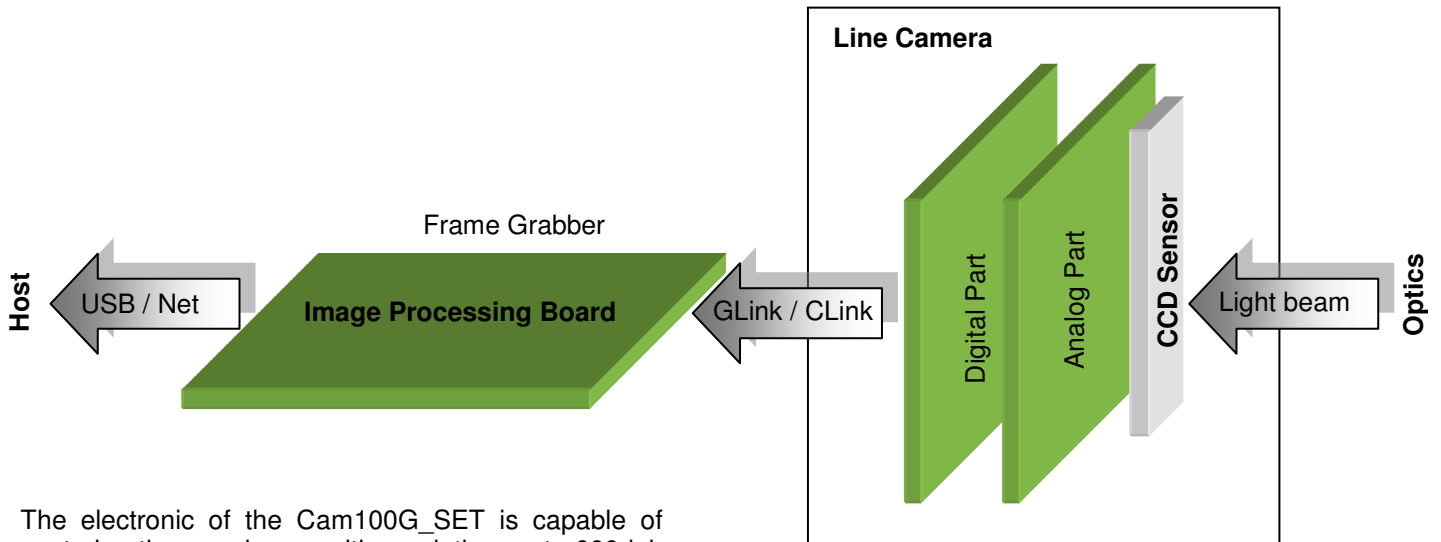
- Resolution: up to 600 dpi DIN A3
- Bit depth: 12bit grayscale
- Pixel size: 7x7 um square
- Performance: up to 100 mega pixel per second
- Speed: depending on size and resolution (up to 1000 ppm DINA4 200dpi)
- Interfaces: RS-232 for camera set up, RS-644 or CameraLink for image data
- Cable: CAT7 or CameraLink for image transfer and camera set up
- Power supply: 5V + 12V

### Advantages:

- Extreme image quality due to true 12bit processing and image output
- Adjustable line length
- Selectable working frequency
- Horizontal and vertical image re-scaling (antialiased)
- 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



## Digital Grayscale Camera Electronic 100MHz – Cam100G\_SET

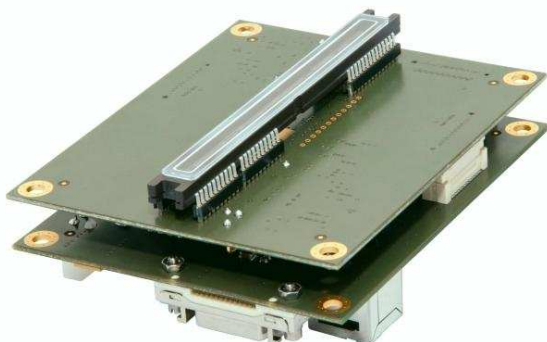


The electronic of the Cam100G\_SET is capable of capturing the gray image with resolution up to 600dpi, DIN A3. The resolution depends on the optical part of the camera and light system and set up parameters of the camera. The camera electronic has to be included in the customer's optic system.

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 Cam 100G\_SET works with BAP Image Engines (IE64\_57 and IE64\_HS). Both IE64 Image Processing Boards supports two camera inputs serviced in parallel at the same time. All necessary image processing functions can be customized using the open interface. Both image processing units have standard USB2.0 interface to Host-PC. The hardware version of IE64\_57 can be equipped with other interfaces (USB3.0., Ethernet).

**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.



**BAP Image Systems GmbH**  
Am Weichselgarten 7  
91058 Erlangen, Germany  
Tel: +49-9131-691540  
Fax: +49-9131-691542

**BAP Image Systems, LLC**  
1120 South Freeway, Ste 214  
Fort Worth, TX 76104, USA  
Tel: +1-817-878-2773  
Fax: +1-817-878-2739

info@bapimaging.com  
www.bapimaging.com