**Digital Grayscale/Color Camera up to 100K Scanline/s—LC8K100CXP**

The Digital Grayscale/Color Camera up to 100k Scanline/s LC8K100CXP is a great tool for motion image capture for the print industry, scanning of fast moving objects.

The electronic of the LC8K100CXP is capable of capturing the color 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 camera works with our new frame grabber. Through the use of PCI-Express, here the full bandwidth of the interface CoaXPress will be used. A major advantage of the hardware solution is that the new camera can be connected to any frame grabber with CoaXPress connection.

**Technical description:**

- Resolution: up to 600dpi DIN A3
- Bit depth:
 - 8, 10 or 12bit grayscale
 - 8, 10 or 12bit RGB
- Number of effective pixels: 2 x 8k Bayer matrix color
- Pixel size: 7x7 um square
- Performance:
 - 70kHz scan lines, 8k pixels grayscale 8bit with two CoaXPress connection
 - 60kHz scan lines, 8k 24bit RGB pixels with two CoaXPress connection
- Speed: depending on size and resolution (e.g.: 1,700 ppm, DIN A4, 300dpi)
- Interfaces: double CoaXPress headers (CXP), data speed up to 10 Gbps (5 Gbps for each channel)
- CableCoax cable for image transfer and camera set up
- Power supply: 5-15V (e.g. 12V @ 0.5A)
- Based on AWAIBA Dragster sensors

Topics in this edition:**New products**

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PCI Express with two CoaXPress interface

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Events

VISION 2011, November 2011, Stuttgart

ITE 2011, December 2011, Yokohama, Japan

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PCI Express with two CoaXPress interface **2**

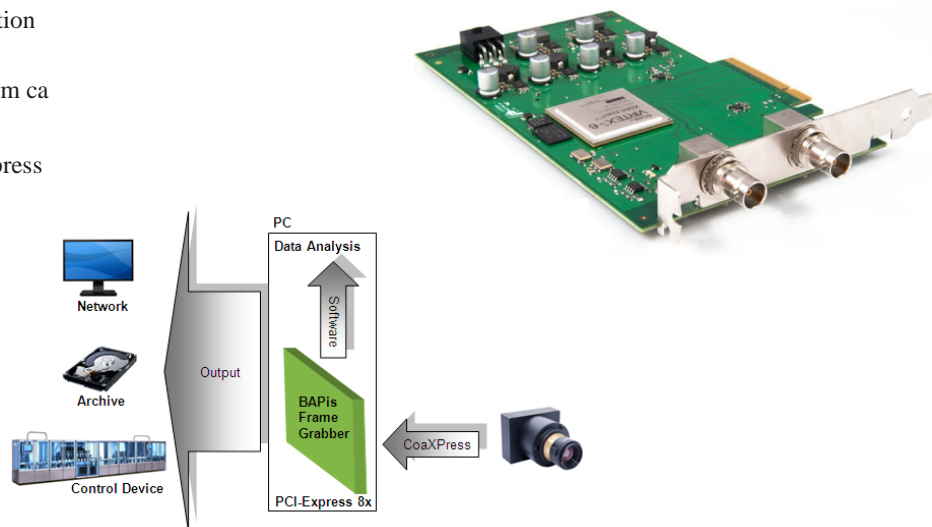
PCI Express with two CoaXPress interface

Technical description:

- Grabber for very fast PCI Express x8
- Two CoaxPress interface with summary gross speed 12.5 Gbps
- Optional four CoaXPress interfaces possible to connect two cameras
- Control channel communication with camera: 20.83 Mbps
- Connection: two coax 75 Ohm cables
- Power supply: from PCI Express slot and external supply 12V

Advantages:

- Power Over CoaXPress (PoCXP) - supply camera from grabber
- Support compensation for cable suppression
- High data rate with long coax cable
- Lower costs for cable connection



Upcoming Events: Vision 2011, November in Stuttgart & ITE 2011, December in Yokohama

BAP Image Systems will be represented again at **Vision 2011** in **Stuttgart** from **08.11.2011** to **10.11.2011**.

Visit us at **Vision 2011 Stuttgart** in **hall 6** on our **booth 6B02**.



BAP Image Systems will attend **ITE 2011** in **Yokohama** from **07.12.2011** to **09.12.2011**.



Have a look, learn about our new products and let us solve your complex and challenging applications right to your needs.

For more information on all our products and all technical specifications, please feel free to visit our website:

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