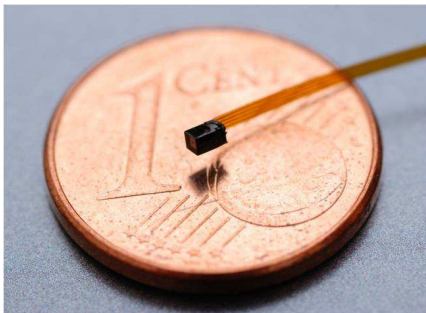
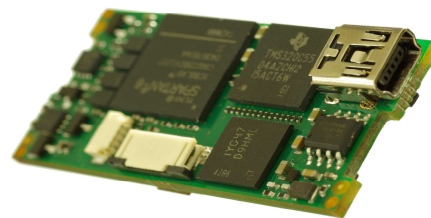
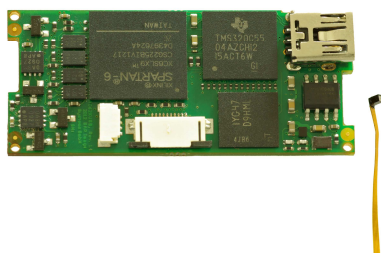


AC62KUSB—Endoscope Camera

The AC62KUSB endoscope camera works with the 62.5k pixels NanEye sensor from AWAIBA. The camera electronic with its size of ca. 50 x 22mm is extremely small. Due to the intelligent design and the adjusted components control, heating can be enormously reduced.



The camera electronic is based on DSP from Texas Instrument and Xilinx FPGA and power supply is given via USB 2.0. Power supply of this electronic is 5V from USB host. Pictures, set up and software updates are transferred via USB2.0 to the host, where two independent working cameras can be connected. Because of the tiny size of the AC62KUSB camera electronic, the de-Bayering algorithm for color version of the endoscope camera is done at the host.



For an excellent image quality, the camera controls the lighting. On the sensor edges, there are four LED lights installed; the luminous intensity of each LED light is independently controlled. With 44 frs per second, our endoscope camera can generate color and greyscale images. The scanned images are uncompressed in TIFF format.

Technical description:

- Two inputs for sensor from Awaiba
- 62,5k pixels (250 x 250)
- Bit depth: 10—bit color
- Control board dimension: 47 x 22 x 10mm
- Speed: up to 44 fps
- Interfaces:
 - USB 2.0
 - RS—232 with TTL logic level
- Power supply: 5V from USB host

Topics in this edition:

New products:

AC62KUSB—Endoscope Camera

PCIE8CXP4 Frame Grabber

Events:

Vision 2012, in Stuttgart

ITE 2012, in Yokohama

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PCIE4CXP2 Frame Grabber	2

PCIE4CXP2 Frame Grabber



The electronic of the PCIE4CXP2, which can be used in PC as a standard PCIexpress x4 card, allows a rapid communication between the camera and workstation. This board was designed for high speed line capture applications as well as high resolution area scan cameras. The product is optimized for quality control and production lines applications.



Our latest innovation is our PCIE8CXP4 Frame Grabber which has 4PCIexpress interfaces.

Technical Description:

- Supports up to two CXP cameras
- Provides power for all cameras (up to 13W per camera)
- Provides Safe Power (full protection against short circuits, unconnected camera etc.)
- Supports multi-link CXP cameras (up to two links)
- Supports CXP speed: 5 Gbps (possible dilation to CXP speed standard from 1.25 to 5 Gbps)
- Cameras can work freelance
- Separate I/O for each camera
- Cable length up to 25 m is supported
- PCIExpress x8 rev. 2.0 interface (also works in x 16 slots)
- On-board memory up to 4 GB (DDR-)

Upcoming Events: Vision 2012 in Stuttgart in November & ITE 2012 in Yokohama in December

BAP Image Systems will exhibit again at **Vision 2012** in **Stuttgart** from **06.11.2012** to **08.11.2012**.

Take your chance to visit us at **Vision 2012** at **Landesmesse Stuttgart GmbH, Hall 1** at **Booth 1E01**.

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



BAP Image Systems will exhibit again at **ITE 2012** in **Yokohama** from **05.12.2012** to **07.12.2012** for second time.

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