BAP Image Systems

Grayscale Digital Matrix Camera 30MHz – AG0M4M30CL

Technical description:

- maximum pixel frequency 30 MHz
- maximum resolution: 782 x 582 @ 60 FPS
- maximum frame rate: 250 FPS in center scan mode
- shutter speed – adjustable in range from 500 ns to 60 seconds.
- output interface options:
  - CameraLink (CL)
  - TLK1501 GLink (GL)
  - USB 2.0 (UB)
- output video modes:
  - 8bit single component
  - 10bit single component
  - 12bit single component
- lens mount: standard CS/C-mount
- power connector: industrial screw-lock with external trigger.
- trigger modes:
  - auto trigger with adjustable FPS
  - external TTL trigger single-shot
  - external TTL trigger multi-shot / continuous-shot
- various: still, motion and overlay color test patterns for maintenance and verification.
- bi-directional serial control for adjustment, control and maintenance.
- in-camera processing features (contrast / gamma enhancement, de-bayering, color space conversion, sub-sampling and other).
- power supply: single 12V / 2A
- compatible with IE64_HS frame grabber / image processing board

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Camera description

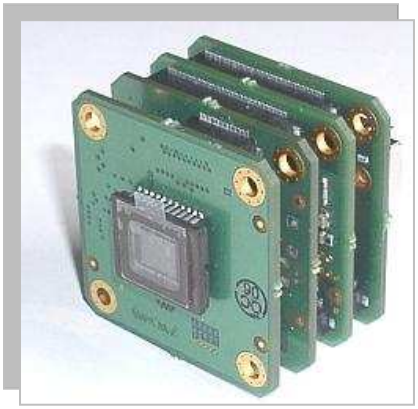
The grayscale digital matrix area micro camera is a flexible tool for motion image capture for industry, surveillance, security and science applications requiring a motion video stream or still picture capture in a high quality color.

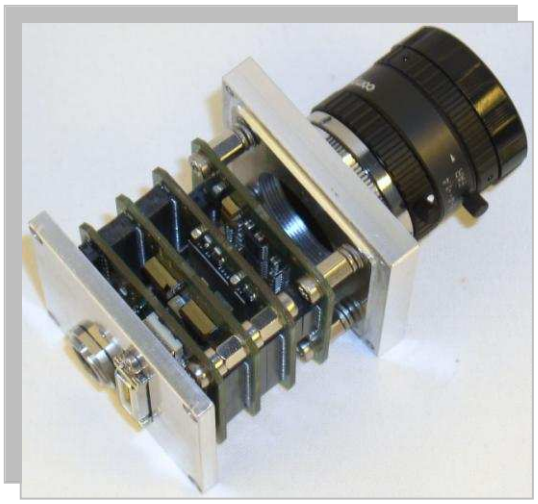
The camera design is extremely compact on one hand and very flexible on the other. There are interchangeable capture, processing and interface modules, which allow to adapt the camera to various customer demands. The camera may deliver video stream via CameraLink, TLK1501 (GLink) interface depending on the requirements and system design. Several image processing / transformation options may be done already in the camera due to the build-in powerful FPGA chip.

With highly adjustable shutter, flexible trigger control options, adjustable resolution and frame rate, the same unit may be used for different purposes.

A standard C/CS-lens mount, an ability to control zoom and focus in motorized lenses, an electronic lens aperture control, plus a selection of industry standard output interfaces – makes the camera very easy to integrate in miscellaneous image processing environments.

For customers demanding color, BAPis offers a similar design and performance color area matrix camera





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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