

www.matrix-vision.com

mvBlueLYNX-M7

single board image processing system

The new mvBlueLYNX-M7 is a complete and programmable single-board image processing system with numerous innovations in comparison with the previous model. Based on a complete new hardware design, now the mvBlueLYNX-M7 is a stereo system, which means that two sensors can be used for e.g. three-dimensional acquisition or mixed usage. Additionally, with the PowerPC processor the system is suitable for all image processing applications even those with high performance demands.

Preferred application area is traffic supervision, where mvBlueLYNX-M7 copes with tasks like recognition of license plates, counting of vehicles, distance measuring, vehicle classification and many others. The module features a wide range of high quality sensors also in near infrared. Due to the high re-resolution of the larger sensors, it is possible to monitor two lanes with one sensor.

As a complete system, the mvBlueLYNX-M7 can be used to control external peripherals like GPRS modules or lightings, it is network-compatible, offers digital inputs and outputs, etc. Internally, the camera uses Linux as operating system. For this reason, it is possible to use many Open Source projects with the camera directly. Additionally, MATRIX VISION's extensive

software library mvIMPACT Base with basic image processing functions is free of charge. Extensions for special applications like OCR are also available and can be licensed separately.

The mvBlueLYNX-M7 modules are independent, small units with less power consumption than a PC, and therefore also suitable for mobile self-sustaining use.

Altogether, with more than 20 years work experience we offer quality and suitable image processing components both hardware and software so that you can create the perfect image processing solution, which meets your requirements.

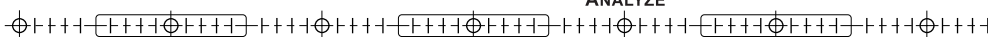
Further informations:
www.matrix-vision.com/mvBlueLYNX-M

Main features

- high photosensitivity, IR sensitivity and resolution of sensor
- second sensor for stereo or mixed usage (e.g. different sensors: resolution and color for night and day service)
- communicates with peripherals
- WiFi device via USB and miniPCI
- saves data on SD card
- free usable I2C for e.g. humidity sensors
- can be configured with live display via Gigabit Ethernet
- integrated temperature monitoring
- possibility to switch off loss producers during high ambient temperature
- drives and powers external illumination
- creates different light sequences with HRTC
- perfect to integrate in own housing concepts
- software compatible to mvBlueCOUGAR-P



RECOGNIZE ANALYZE DECIDE



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