Innovative, Compact Gigabit Ethernet Camera

Matrix Vision introduces its newest member of the Gigabit Ethernet camera series: mvBlueCOUGAR-X. The camera is full of extra features and design highlights. For example, the very compact and high quality housing is fit for industrial use and features lockable connectors. The mvBlueCOUGAR-X series will cover various applications with its wide range of highly sensitive CCD-/CMOS- color and gray scale sensors. C-Mount, CS-Mount as well as S-Mount lenses are supported.

The camera series has a 14-bit analog-to-digital converter for highest dynamic range and a high signal-to-noise ratio. With its 32 MB camera memory, it is possible to acquire images and image sequences and to uncouple transfer from acquisition. The camera offers hardware based preprocessing for small processing times and, furthermore, fast resend mechanisms and settable bandwidth limits which are perfect for multiple camera operation. Further innovative features, amongst others, are flat field correction, auto gain / shutter, direct driver outputs, Bayer demosaicing on the camera, freely programmable LUTs as well as YUV and RGB color formats. Like all Matrix Vision GigE camera, the mvBlueCOUGAR-X is compliant to GenICam und GigE Vision.

New mvBlueCOUGAR-S models with 2 and 5 megapixels

The Gigabit Ethernet family mvBlueCOUGAR-S has grown: at 30 frames per second the S124 is one of the fastest 2 megapixel cameras (1620 x 1220, in gray scale or color) on the market and is ideal for ambitious and fast applications like quality inspection, printed image controls or applications in surveillance. The mvBlueCOUGAR-S125 offers even more pixels: 5 megapixels (1620 x 1220, in gray scale or color) and achieves an excellent 16 frames per second (gray scale version). Due to its high dynamic range and resistance to blooming, the highly sensitive 2/3" progressive scan sensor is suitable for demanding high-end applications.

All color versions execute Bayer demosaicing on-board directly (RGB or YUV) or transfer RAW image data. Likewise, the cameras can be triggered externally (or by a process) and illumination can be controlled synchronously or further actions can be activated using the digital output.
In addition, the power supply is out of the ordinary: it is possible to use either an external power supply or the Ethernet interface (so-called PoE - Power over Ethernet) to power the camera. In addition, the cameras can also be operated in 100 Mbit networks.

Kontaktieren

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