

A brand of Balluff



mvBlueFOX DIVERSE VISIONS

Universal camera platform with USB interface



NATURALLY ADAPTABLE

We are developing the mvBlueFOX continuously. Custom specific demands are the basis for our technicians and engineers. Many new ideas are generated which we bring to life as powerful solutions with smart features.

The mvBlueFOX USB camera family is the result of an almost natural adaptation to numerous potential applications. Accordingly, there is a variety of technical models with different forms. This enables our customers to combine flexible modular technology with various shapes. Our OEM customers also appreciate this, whether with housing, as board-level, or single-board, all models have one thing in common: perfectly coordinated, freely selectable configurability.

Independence through standards

Our new USB 3.0 camera series, mvBlueFOX3, enables the combination of higher image resolutions with high frame rates as well as the synchronous operation of several cameras without image loss via a USB port. For the users, the USB3 Vision standard offers more flexibility and security of investment. Benefit from our know-how as a member of the USB3 Vision standard committee.



mvBlueFOX3-1

A compact design and low cost are the defining features of the mvBlueFOX3-1 series, which combines a high bandwidth USB3 interface with cost-effective CMOS sensors.



mvBlueFOX3-2 and mvBlueFOX3-4

The USB3 Vision camera offers higher resolutions and frame rates, plus camera based smart features that considerably reduce the load on your host system. The mvBlueFOX3-4 is a separate hi-res version for larger sensor formats up to APS-C.



mvBlueFOX3-3M and mvBlueFOX3-5M

The board-level and single-board camera series combine flexibility, image quality, and high performance with low costs and are part of our camera kit. The board-level camera series with a separate sensor board allows the entire range of sensors to be used thanks to its modular system.

mvBlueFOX in action

Industry, science and research are using the mvBlueFOX cameras in several applications.

- **Medicine:**
The mvBlueFOX is in use for documentation and image recording in many areas of medical devices like ophthalmology, dermatology, and dentistry. The open hardware platform enables fast adaptations to customer-specific requirements.
- **Life Science:**
A wide range of control options and easy process integration create the basis for a wide range of applications, such as in pathology and laboratory automation.
- **Traffic:**
The transmission security of the data is guaranteed by the image memory. Therefore the mvBlueFOX is used e.g. for recording of number plates, vehicles, and driving behaviors.
- **Logistik:**
In logistics, mobile applications such as driverless transport systems make embedded components indispensable. The modularity and platform independence of the mvBlueFOX make it suitable for the individual requirements.
- **Automotive:**
As an embedded component, the mvBlueFOX is used in mobile applications such as quality inspection of parts and inspections of assembly processes.



www.matrix-vision.com/industries.html

ACCESSORIES JUST IN CASE

- **USB- and I/O cables**
linear, bent, pluggable, with lock screws and suitable for drag chain
- **Lens holders**
C-mount, CS-mount, S-mount
- **Lenses**
- **Filters**
- **Lighting systems**
- **Software**
Fast adaptability also means feeling comfortable in other environments. For this reason we offer platform-independent support for your application with our software mvIMPACT Acquire SDK and suitable drivers for Windows and Linux systems (embedded systems) with 32 and 64 bit architecture.



On our website www.matrix-vision.com/mvbluefox you will find an overview of all Smart Features and their availability.

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We Change Your Vision.
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