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mvBlueFOX

Industrial USB CCD & CMOS camera series

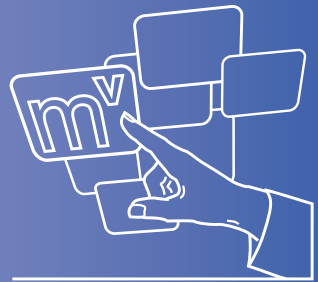


USB
3.0

www.matrix-vision.com

The birth of new visions

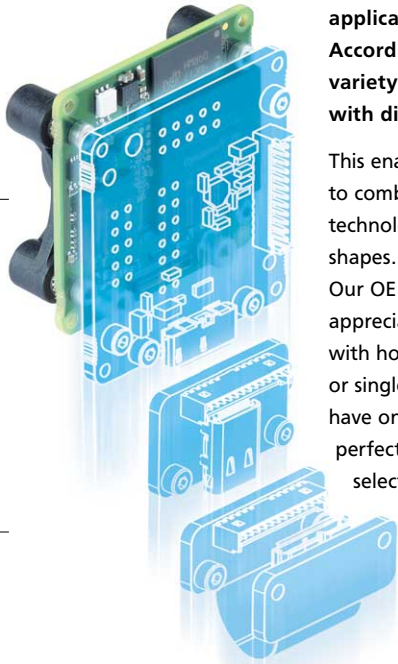
Universal camera platform
with USB interface



We Change Your Vision

RECOGNIZE ANALYZE DECIDE





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.

Evolution at work.

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.



mvBlueFOX in action.

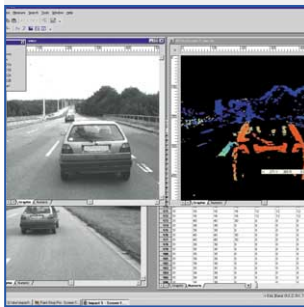


Industry, science and research are using the mvBlueFOX cameras in several applications.

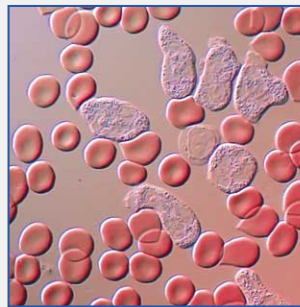
◀ **Microscopy:** mvBlueFOX for documentation and automated laboratory evaluation.



◀ **Surveillance:** mvBlueFOX used in access control devices in buildings. Crucial data transmission security is ensured by the internal image memory.



◀ **Traffic:** mvBlueFOX as a highly sensitive sensor for autonomous driving. The robust design of the camera won't let you down even off-road.



◀ **Medicine:** mvBlueFOX as a powerful optical system for analyzing blood samples. The open hardware platform enables fast adaptation of customer-specific products.



◀ **Biometrics:** mvBlueFOX for the identification of individual personal features. Versatile control options and an easy process integration create the basis for new ideas.



◀ **Automotive:** mvBlueFOX in 3D hand scanners for fast quality checks.



USB
VISION

USB
VISION

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STARVIS

USB
3.0

USB
VISION

I/O board
(optional extra)

New 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.

Accessories just in case.

■ USB- and I/O cables

- ▶ linear, bent, pluggable, with lock screws, suitable for drag chain

■ Lens holders

- ▶ C-mount
- ▶ CS-mount
- ▶ S-mount

■ Lenses

- Filters
- Lighting systems

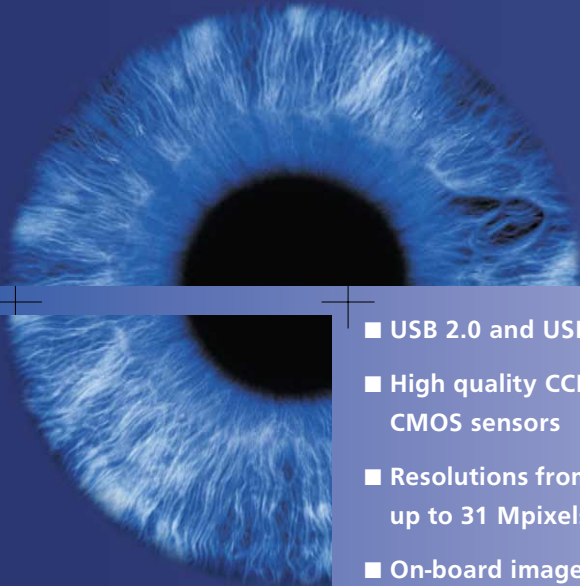
Software to go.

Fast adaptability also means feeling comfortable in other environments.



For this reason we offer platform-independent support for your application with our software **mvIMPACT Configuration Studio** and suitable drivers for Windows® and Linux® systems (embedded systems) with 32 and 64 bit architecture. In order to integrate your system as quickly as possible, we set up a comprehensive smart vision software for our customers. Third-party software can be integrated into the open system as well.

▼ more and up-to-date infos see www.matrix-vision.com/mvbluefox



- USB 2.0 and USB 3.0
- High quality CCD / CMOS sensors
- Resolutions from VGA up to 31 Mpixels
- On-board image memory up to 256 MB
- Hardware LUT
- On-board FPGA
- Micro-PLC
- Digital I/Os
- Power supply via bus or externally

Legal notice:

The contents of this brochure are intended to provide information only and to show possible examples. We reserve the right to change technical data and construction at any time without prior notice. The technical specifications of customer systems and of our current products have to be clarified when ordering.
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Ideas and products Made in Germany

In the industrial image processing area, MATRIX VISION has become an important partner for customers world-wide.

Our strong-points

Aside from our extensive range of standard products we develop custom-specific solutions which provide maximum utility for the user as a result of continuous improvement.