wenglor
the innovative family

All Your Needs in One Place.

Machine Vision
Camera BBVK and Controller MVC



wenglor Machine Vision

Machine Vision as a holistic concept: wenglor offers all components of an image processing system to individually solve vision applications. In addition to high-performance hardware such as the vision system, consisting of the machine vision controller with the machine vision cameras and the 2D/3D profile sensors, the powerful uniVision 3 software impresses with its high user-friendliness, performance and individual expandability. The range of products is impressive, as is the comprehensive service. All your needs in one place with wenglor machine vision!

BBVK Machine Vision Camera
Outstanding image quality in a compact housing

MVC Machine Vision Controllers
Connection of machine vision cameras and 2D/3D profile sensors

uniVision 3 Software
Simple configuration and intuitive user interface

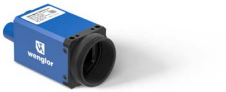


BBVK Machine Vision Cameras

The BBVK series industrial cameras combine excellent image quality with a compact and lightweight housing that is ideal for a wide range of applications in confined installation situations. Whether in quality assurance or factory automation, industrial cameras reliably deliver precise and high-quality images. With state-of-the-art CMOS sensor technology, they offer an impressive resolution of 1.6 to 24 megapixels.

- ☑ Compact housing 29 × 64.4 × 29 mm with high degree of protection IP67
- ☑ Industry standard connector plug with Power over Ethernet (PoE) option
- ☑ Up to 24 megapixels with outstanding image quality
- ☑ Suitable lenses for every working range



Product	Interface	Image chip	Resolution	Shutter
 BBVK	GigE Vision	Monochrome/Color	1.6 MP 5 MP 12 MP 24 MP	Global shutter

All details about the BBVK machine vision cameras are available on our website.

MVC Machine Vision Controllers

The MVC series machine vision controllers are suitable for demanding image processing applications. The controllers are characterized by their powerful i7 processor, which enables exceptionally high processing speeds and thus can handle even complex tasks with impressive process time. An outstanding feature of the MVC series is the variety of interfaces that provide flexible connectivity.

- ☑ Connection of machine vision cameras and 2D/3D profile sensors
- ☑ Increase efficiency by connecting up to 16 devices simultaneously
- ☑ Versatile modules for image and profile evaluation
- ☑ Pre-installed uniVision 3 image processing software that combines AI models and rule-based tools



Product	Interface	MVC software packages	Processor
 MVC	Digital Input/Output (DIO), Real-Time Ethernet (RTE), Ethernet TCP/IP, UDP	uniVision, uniVision Extended, uniVision Script, uniVision Robotics, uniVision AI	i7

You can find all the details about the MVC machine vision controllers on our website.

uniVision 3 Software

With the uniVision 3 software, image processing tasks can be implemented flexibly – from classic, rule-based tools to AI-based applications. The evaluation can be modularly structured and individually adapted via the intuitive user interface. Standard application templates ensure fast initial startup.

- ☑ Direct execution of AI models from the AI Lab or in ONNX format
- ☑ Combination of AI and classic tools for optimal results
- ☑ Seamless integration of HALCON scripts
- ☑ Common industrial interfaces (EtherNet/IP, PROFINET, EtherCAT, Bosch Nexeed Automation)
- ☑ Numerous robot vision interfaces



Standard software

Extremely user-friendly

Diverse algorithms

Numerous interfaces

You can find all the details about the uniVision 3 software on our website.



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