# OEM AUTOMATIC

**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

## BASLER VISARD STEREO CAMERA

2200000972
Stereo Camera 160 Colour

**BASLER**
the power of sight

- Plug & Play
- Industrial Grade
- Modular Software
- Colour & Mono options
- Cost Effective

### PRODUCT DESCRIPTION

The Basler Stereo Camera is a high-performance 3D imaging solution designed for depth perception and spatial analysis in industrial and robotics applications. It features two precisely aligned global shutter cameras with high-resolution CMOS sensors, capable of capturing synchronised stereo image pairs for accurate depth mapping. The camera supports USB 3.0 or GigE interfaces for fast data transfer and is equipped with onboard processing to generate disparity maps and 3D point clouds in real time. With a typical baseline range from 65 mm to 160 mm, it can be adapted to various working distances and scene complexities, offering depth accuracy down to sub-millimeter levels depending on configuration and environment.

In practical use, the Basler Stereo Camera excels in applications such as bin picking, object recognition, navigation, and quality inspection. In logistics and warehousing, it enables robots to perceive and interact with objects in cluttered or dynamic environments. In industrial automation, it enhances tasks such as volume measurement, part positioning, and 3D inspection with reliable depth data. Its compact form factor and rugged design allow easy integration into robotic arms, mobile platforms, and production lines, making it a versatile tool for enhancing spatial awareness and decision-making in smart systems.

## TECHNICAL DATA

| | |
|---|---|
| **API configuration** | .Net, C/C++, Python, Rest API, UDP based ego-motion interface, Web GUI, Halcon, OpenCV, Point Cloud Library (PCL), ROS |
| **Approvals** | CE, RoHS, EAC, GenICam, GigE Vision, KC |
| **Baseline** | 160 mm |
| **Colour** | Color |
| **Connector camera side** | 8-pin A-coded M12 socket for GigE Power Connector, 8-pin A-coded M12 plug for GPIO and power |
| **Focal length** | 4 mm |
| **Height** | 84 mm |
| **Input voltage** | 18-30 V |
| **Interface** | GigE |
| **IP class** | IP54 |
| **Length** | 230 mm |
| **Mono/color** | Color |
| **Operating temperature** | 0 °C - 50 °C |

| | |
|---|---|
| **Processor** | Nvidia Tegra K1 |
| **Resolution** | 1280 px × 960 px |
| **Shutter type** | Global |
| **Type** | 3D Camera |
| **User interface** | GigE |
| **Weight** | 850 g |
| **Width** | 75 mm |
| **Working Range** | 0.5 m - 3 m |