



Basler Stereo CameraSTA-200-547M-082616-W

Basler Stereo ace 200 Mono Camera

The Basler Stereo ace is an industrial stereo camera designed for high-resolution active stereo solutions and is particularly suitable for demanding applications in robotics. It offers different base lines and is available with both color and monochrome sensors, providing flexibility for different application requirements.

The camera is equipped with a high-quality factory calibration and dynamic self-calibration routines that ensure stable stereo imaging. It is characterized by minimal latency for fast 3D image acquisition, which contributes to shorter cycle times in industrial processes. The modular design enables easy adaptation to specific requirements.

In combination with a 3D Camera Cube, the Basler Stereo ace can be seamlessly integrated into Basler's application software for robotics. It is compatible with the pylon SDK and GenICam standard, as well as with various middleware libraries, making it a versatile choice for robotic vision applications.



General Information

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| Order Number | 109517 |
| Manufacturer | Basler |
| Camera Category | 3D Camera |
| Camera Series | Basler Stereo Camera |
| Scope of Delivery | 1 x Camera, Stereo ace 2 x Trigger Cable, M8 8-pin to M8 8-pin 1 x Mounting Bracket Stereo ace (incl. 3x socket screws M5 x 12) |
| Warranty | 36 Months |

Camera Data

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| Baseline | 200 mm |
| Shutter | Global Shutter |
| Resolution (H x V) | 2472 px × 2064 px |
| Mono/Color | Mono |
| Depth image resolution & FPS | 3 - 10 fps (depends on the configuration of the camera and the hardware of the host system) |
| Depth resolution | <ul style="list-style-type: none">▪ 0.06 mm at 0.75 m▪ 0.11 mm at 1.0 m▪ 0.25 mm at 1.5 m▪ 0.43 mm at 2.0 m▪ 0.98 mm at 3.0 m |
| Interface | GigE |
| Working Range | 0.71 m - 3 m |

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| Workspace | <ul style="list-style-type: none"> ▪ 430 x 530 mm at 0.75 m ▪ 630 x 710 mm at 1.0 m ▪ 2305 x 2125 mm at 3.0 m ▪ 1060 x 1060 mm at 1.5 m ▪ 1500 x 1415 mm at 2.0 m |
| Data Connector | 2 x RJ45 |
| Power Connector | M12, 8-pin, female, Type A |
| Power Supply | 24V DC |

Software Development Kit

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| Operating System | <ul style="list-style-type: none"> ▪ ARM Linux (AArch64) ▪ Linux (x86_64) ▪ Windows |
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Housing

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| Housing Size (L x W x H) | 158.5 mm x 245 mm x 70 mm |
| Weight | 1700 g |
| Protection Class | IP50 |