

## Basler 3D Cameras

We offer 3D solutions based on the Time-of-Flight (ToF) technology, which are suitable for the mass market and help our customers lower their total system costs and design their 3D applications more efficiently. The biggest benefit of Time-of-Flight Cameras is that they are compact, precise and affordable, yet less complex than other 3D cameras. Beyond this, a time-of-flight camera requires neither contrast nor additional light to work, and can be used on the fly, as objects move past.

### Basler blaze

The fully-calibrated blaze 3D camera with integrated optics and GigE interface uses the time-of-flight principle to capture scenes and objects at a glance, generating 2D and 3D data with a multipart image from distance, intensity and confidence maps in real time. Elimination of moving components means robustness and stability for a variety of applications such as robotics, industrial automation, logistics and medicine. With integrated Sony DepthSense™ sensor technology the blaze makes 3D measurements more precise, accurate and faster.

#### Highlights

- Top-class precision by Sony DepthSense™ IMX556 sensor and advanced laser technology (940 nm or 850 nm)
- Precise, millimeter-accurate optical measurement with the time-of-flight method
- Real-time streaming of 3D point clouds and grayscale images with 30 frames per second
- Daylight robust (940 nm) & independent of ambient light
- IP67 protection and shock-proof for stable results under difficult conditions



For more information, please visit [baslerweb.com/blaze](http://baslerweb.com/blaze)



CAMERA MODEL	BLAZE-101	BLAZE-102
Sensor	Sony DepthSense™ IMX556	
Resolution	640 × 480 @ 30 fps	
Wavelength	940 nm	850 nm
Interface	GigE Vision, GenICam	
Field of View	67° × 51°	
Range	0 m - 10 m	
Accuracy (typical)	±5 mm (0.5–5.5 m)	
Housing Size	100 mm × 81 mm × 64 mm	
Conformity	CE, FCC, RoHS, REACH, IP67, Laser Class 1 IEC60805-1:2014, EAC <sup>1</sup>	
Software Support	pylon, Isaac, OpenCV, HALCON, MIL, Point Cloud Library (PCL), ROS, ROS2	

<sup>1</sup>Only for selected models, please refer to our website [baslerweb.com/blaze](http://baslerweb.com/blaze) for detailed information.

For more information please contact:



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