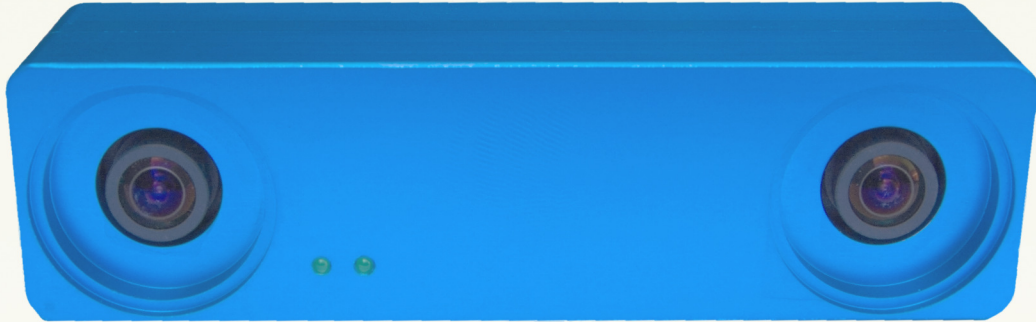


EagleZ stereo camera



Machine vision stereo camera

750 × 480 @ 20Hz

color + depth

USB 2.0 mini-B connector

2 × CMOS sensor

2 × 2.2mm lens, F/2

Calibration parameters included

Open-source C++ SDK

for image capture, depth and 3D reconstruction

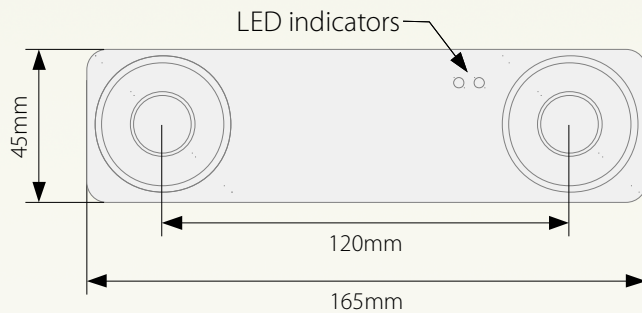
Integrated with OpenCV library



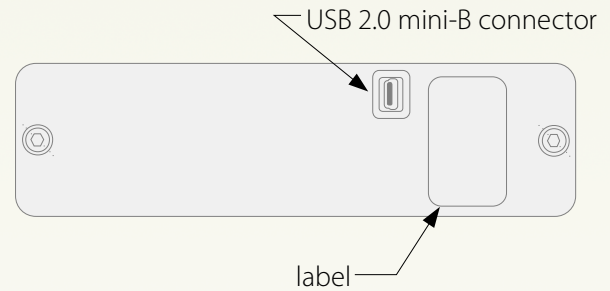
www.eaglevision.nl
Eagle Vision Systems all rights reserved

Dimensions

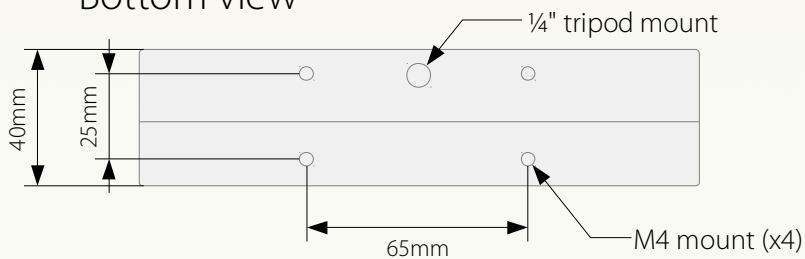
Front view



Rear view



Bottom view



Product specification

Interface	USB 2.0, mini-B connector	
Sensor	2 × CMOS	
Sensor size	4.50 × 2.88 mm (W × H), diagonal 5.35 mm	
Sensor resolution	752 × 480	
Trigger	Auto trigger with fixed frame rate	
Frame rate	Max. 20 Hz	
Stereo baseline	120 mm	
Focal length	2.17 mm	
Aperture	F/2.0	
FOV single lens	raw: 102° × 74° (W × H)	rectified: 73° × 70° (W × H)
Depth resolution*	max. 720 × 480 (*assuming 32 pixel wide stereo matching window)	
Depth FOV	72° × 70° (W × H)	
Depth accuracy	± 50 mm (object distance 1000m)	± 80 mm (object distance 3000m)
Color format	Raw Bayer 8bit/pixel	
Calibration	Precalibrated for lens rectification and stereo matching	
Dimensions	165 × 45 × 40 mm	
Weight	340 g	
Mounting	1/4" tripod mount, 4 × M4 mount	
OS	MS Windows XP or Vista	
Recommended setup	USB 2.0 • RAM 1GB • CPU 2.0GHz, 1MB L2 cache • MS Visual C++ 9	
SDK	Open-source C++ SDK (based on OpenCV library)	