

# oCamS-1MGN-U™

USB 3.0 Stereo Mono Camera



## ROS Compatibility

Provides compatibility with ROS (Robot Operating System) to utilize rich and powerful functionalities of ROS.

## Rich Data

Provides IMU data from the built-in sensors along with stereo images, which allows development of easy and useful applications.

## Versatile

Supports changeable standard M12 lens.

## Fast

Provides up to 45fps images of 1280 (x 2) x 960 through USB 3.0 SuperSpeed interface.

## Cost Effective

Very affordable price among the cameras of similar grade.

### Image Sensor

OnSemi AR0135 (1/3 Inch, Global Shutter)

### IMU Sensor

9-Axis Absolute Orientation Sensor

### Interface

USB 3.0 SuperSpeed

### Lens

Changeable standard M12 lens

### Supported OS

Linux (supports ROS)  
Windows 7/10 (Viewer)

### Power

USB bus power

### Operating Temperature

0°C ~ + 70°C

### Baseline

120 mm

### Field Of View(FOV)

65° @1280 x 960 for Each Image  
\* Changeable by Using Different FOV Lens

### Camera Control

Brightness, Exposure

### Frame Rate

45fps @1280 x 2 (H) x 960 (V) (USB 3.0)  
45fps @640 x 2 (H) x 480 (V) (USB 2.0)

### Size

146mm x 26mm (PCB)



This product is for indoor use only and is susceptible to electrostatic discharge. It should be handled with care accordingly.