Omni 60

High frame rate panoramic video.

- 1.8 MP raw video
- 60 Hz synchronized capture
- Real-time panorama with multi-band blending
- Compatible with OpenCV and ROS
- C/C++ SDK with source provided
- Windows 7, 8, 10, and Linux 3.x

Occam Omni captures raw 360° panoramas at a blazingly fast 60 Hz making it ideal for a wide range of applications such as vehicle tracking, ground platform tracking, quadcopter tracking, and surveillance applications where both visibility and rapid motion are important elements.

Panoramic vision facilitates recovery of high-parallax correspondences with less platform and camera motion, making it a widely chosen configuration for scanning and localization applications.
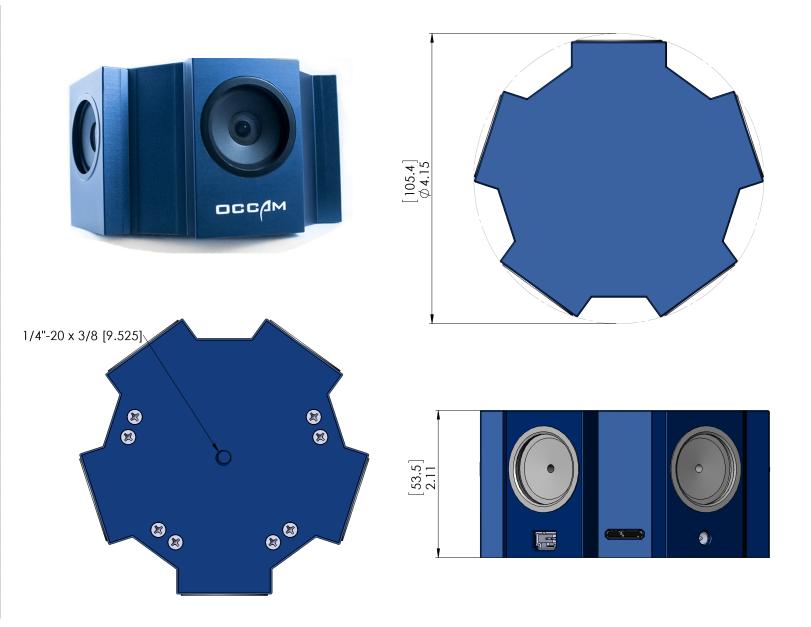
Available models: omni5u3mt9v022m (grayscale), omni5u3mt9v022c (color).

For more information, please contact info@occamvisiongroup.com.

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Model	omni5u3mt9v022m	omni5u3mt9v022c
Resolution	1.8 MP (5x 752x480)	1.8 MP (5x 752x480)
Max Frame Rate	60 FPS	60 FPS
Horizontal FOV	360°	360°
Vertical FOV	58°	58°
Interface	USB3	USB3
Max Cable Length	15 feet	15 feet
Color	Grayscale	Bayer
Sensor	5x Aptina MT9V022	5x Aptina MT9V022
Trigger Input	Yes	Yes
Trigger Output	Yes	Yes
Manual Exposure Control	Yes	Yes
Automatic Exposure Control	Yes	Yes
Manual Gain Control	Yes	Yes
Automatic Gain Control	Yes	Yes
Blending	CPU and GPU implementations (OpenCL, OpenGL)	
Stitching	Precalibrated; selectable during operation	
Lens	5x 2.8mm F2	5x 2.8mm F2
DC Input (optional)	5 VDC input	5 VDC input
Power Consumption	400mA	400mA
GPIO	1 input, 1 output, ground	
OS Support	Windows 7, 8, 10, Linux 3.x+	
Width	4.1"	4.1"
Height	4.1"	4.1"
Depth	2.1"	2.1"
Weight	13.3 oz	13.3 oz
Weight (without enclosure)	2.8 oz	2.8 oz

1/4"-20 x 3/8 [9.525]

[105.4] Ø 4.15

[53.5] 2.11

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