PAL

DreamVu

World's First **360°** Depth and Stereo Sensor

Output	Stereo Image Output	3200 x 1600 @ 12fps | 2133 x 1066 @ 20fps
		1600 x 800 @ 40fps | 800 x 400 @ 100fps
	Field of View	360° (H) x 78° (V)

Depth	Image Resolution	3200 x 800 @ 12fps | 2133 x 533 @ 20fps
		1600 x 400 @ 40fps | 800 x 200 @ 100fps
	Stereo Baseline	65mm (2.56")
	Field of View	360° (H) x 78° (V)
	Range	0-5 m
	Point Cloud	Supported at 12 fps, 20 fps, 40 fps, 100 fps

Performance	Accuracy @ 0.5m	-/+ 1cm
	Depth Resolution (Z) @ 0.5m	5mm

SDK Features	Compatibility	OpenCV, ROS

SDK Requirements	Operating System	Ubuntu 16.04
	RAM	2 GB

Interfaces	Communication Interface	USB 3.0 (Data & Power)

Electrical Data	Maximum Operating Voltage	5V
	Maximum Current Consumption	900mA
	Maximum Power Consumption	4.5W

Mechanical Data	Weight	1.3 lbs
	Dimensions	103 mm ø X 106.5 mm Height (4.15" x 4.19")
	Materials	ABS, PMMA, Aluminium, Silicon and PU Rubber
	Housing Color	Matte Black
	Mounting	UNC 1/4"-20

Others	Image Sensor	ON SEMI 13MP sensor AR1335
	Shutter Sync	Electronic Rolling
	Quantum Efficiency Blue	0.78
	Quantum Efficiency Green	0.84
	Quantum Efficiency Red	0.6
	Dynamic Range	69 dB
	Gain Range	9.25
	Partial Image Modes	Pixel binning
	Flash Memory	512-KB

Operating Conditions	Ambient Temperature	5° to 55 ° C
	Storage Temperature	-10° to 55 ° C

Resistance	Shock Resistance	20g for 11 ms
	Vibration Resistance	5 Hz to 150 Hz

Accesories (included)	USB 3.0 Type A-A cable
	Micro Fiber Cloth

Important Notes	Avoid dropping the product in any scenario
	Do not touch the transparent surface as it can reduce the image quality.
	Use of microfibre cloth for cleaning the transparent surface is recommended.