



World's First 360° Depth and Stereo Sensor

Output	Stereo Image Output	5290 x 1819 @ 12fps 3544 x 1218 @ 20fps 1322 x 544 @ 40fps 660 x 227 @ 100fps
	Maximum Field of View	360° (H) x 110° (V)
	Angular Resolution	0.06° (H) x 0.06° (V) / pixel
	Maximum Operating Distance	10 meters for Object Size 2cm x 2cm
Depth Performance	Image Resolution	5290 x 1819 @ 12fps 3544 x 1218 @ 20fps 1322 x 544 @ 40fps 660 x 227 @ 100fps
	Field of View	360° (H) x 110° (V)
	Angular resolution	0.1° / pixel
	Minimum Range (distance)	0 cm
	Maximum Range (distance)	500 cm
	Distance Accuracy	≤ 1 cm / 1% @ 100cm ≤ 20 cm / 6.3% @ 300cm
	Distance Resolution	≤ 0.08 cm / 0.4% @ 20 cm 0.5 cm / 0.5% @ 100 cm 6.33 cm / 2.1% @ 300 cm
	Distance Precision	0.5 cm / 0.5% @ 100 cm
	fps (frames per second)	Supported at 12 fps, 20 fps, 40 fps, 100 fps
	Latency	< 150 ms
	Timestamp	< 5 ms
	Point Cloud	Supported at 12 fps, 20 fps, 40 fps, 100 fps
	Ambient Lighting	> = 20 Lux

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	Operating Voltage	5V
	Power consumption	2.5W
Mechanical Data	Weight	1.1 lbs
	Dimensions	Height: 101.9 mm; Diameter: 103 mm
	Materials	ABS, PMMA, Aluminium, Silicon & PU Rubber
	Housing Color	Matte Black
	Mounting	UNC 1/4"-20
Operating Conditions	Ambient Temperature	-40° to 70° C
	Storage Temperature	-40° to 80° C
	Protection	IP 67
Resistance	Shock Resistance	4g for 9 ms
	Vibration Resistance	250 Hz to 1000 Hz
Accessories (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 microfiber cloth for cleaning the transparent surface is recommended.	
Additional Family Options	PAL Ethernet 	Gig-Ethernet with on-board video processing
	PAL Mini 	Up to 3m depth range, USB