



Long-range and High-resolution 360° 3D camera

Output	Stereo Image Output	6912 x 3072 @ 24fps per eye
		3840 x 2160 @ 30fps per eye
	Maximum Field of View	360° (H) x 57.2° (V)
	Angular Resolution	0.078° (H) x 0.056° (V)
Depth Performance	Image Resolution	6912 x 3072 @ 24fps 3840 x 2160 @ 30fps
	Stereo Baseline	10 cm
	Field of View	360° (H) x 57.2° (V)
	Minimum Range	0 m
	Maximum Range	20 m
	Point Cloud	46 million points per second
	Accuracy @ 0.5m	Average depth error of 7mm
	Depth Resolution(Z) @ 0.5m	2 mm
	On-board Human detection Range	120 m
	On-board Face Reecognition Range	40 m
	Responsivity	2 V/lux-sec
Processor	CPU	ARM Cortex-A57 (quad-core) @ 2GHz
	GPU	NVIDIA Denver2 (dual-core) @ 2GHz
	RAM	8GB 128-bit LPDDR4 @ 1866Mhz 59.7 GB/s
		HDMI
Interfaces	Communication Interface	Ethernet(Over SSH) Wi-Fi(Over SSH)
		USB 3.0, USB 2.0 HDMI
Electrical Data	Power consumption	7.5W

Mechanical Data	Weight	3 lbs
	Dimensions	H: 163.33mm, B: 198.18mm, L: 198.18mm
	Materials	Housing material : ABS
	Housing Color	Housing color: PANTONE 11-0601 (TCX Bright White)
		Lens cover color: PANTONE Cool Gray 1U
	Mounting	UNC 1/4" Adapter plate provided

Operating Conditions	Ambient Temperature	5°C to 55°C
	Storage Temperature	-5°C to 65°C

Resistance	Shock Resistance	20 g for 11ms
	Vibration Resistance	5 Hz to 50 Hz
	Operating Vibration Resistance	5 Hz to 20 Hz

Accessories (included)	1/4" UNC Thread Adapter Plate (Black Anodised Aluminium) \varnothing - 80mm, Thickness - 5mm	
	Screws compatible with the Adapter plate	
	USB 3.0 Type A-A cable	
	Micro Fiber Cloth	

Important Notes	Avoid dropping the sensor in any scenario. It will affect the physical integrity of the product.	
	Avoid touching the 7 open lenses. Periodically clean them using a microfiber cloth to gently remove any dust settled on it.	
	Do not overtighten the UNC 1/4" screw. This will leave a cosmetic defect on the base of the enclosure.	
	Do not block the airvents that have been provided.	



PAL Family	PAL USB		USB 3.0 Interface
	PAL Mini		Up to 3m depth range, USB
	PAL Ethernet		Gig-Ethernet with on-board video processing