

CAM-5530-U

Stereo Vision, USB
Industrial Camera



Features

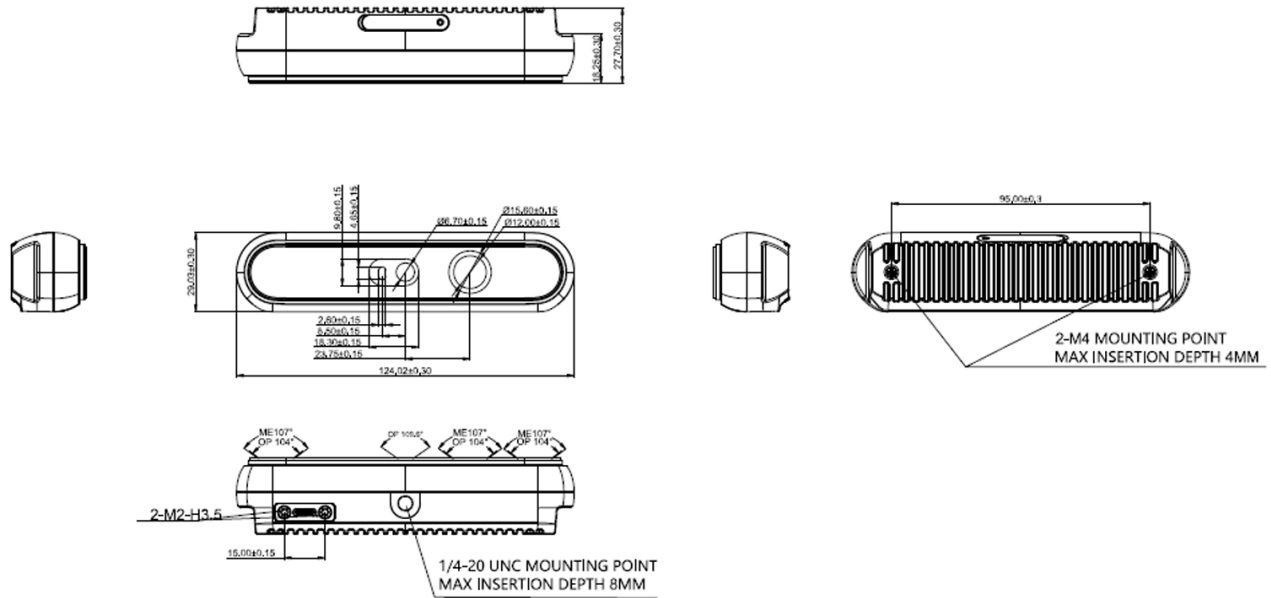
- USB3 camera interface
- Wide FOV: 94°(H) and 68° (V)
- Up to 1280 x 800 x 30fps
- High quality depth data output in both indoor and outdoor environments
- Support multi-cameras synchronization and IMU

Specifications

	Technology	Stereo vision
	Dimension	124mm (W) x 29mm (H) x 27.7mm (D)
	Weight	135g
	Sensor/Module Interface	USB 3.0 & USB 2.0 Type-C for data and power
	RGB resolution	1280 x 800 @ 30fps
	RGB FOV	94°(H) x 68°(V) ± 3.0°
	RGB shutter	Global shutter
	Depth resolution	1280 x 800 @ 30fps
	Depth FOV	94°(H) x 68°(V) ± 3.0° @ 2m
	Depth shutter	Global shutter
	Depth accuracy	± 1% (1280 x 800 @ 2m & 81% ROI) ± 2% (1280 x 800 @ 4m & 64% ROI)
General Specification	LDM wavelength	850nm
	Baseline	95mm
	Working range	0.17 ~ 20m+
	Ideal range	0.25 ~ 6m
	Spatial precision	≤ 0.8% (1280 x 800 @ 2 m & 90% x 90% ROI) ≤ 1.6% (1280 x 800 @ 4 m & 80% x 80% ROI)
	Power consumption	Average <3.0W (Peak <6.5W)
	Protection	IP65
	IMU	6 DoF; Gyroscope/Accelerometer frequency range: 50 ~ 1,000Hz
	Operating environment	-10°C ~ 50°C @ 15/30fps, 5% ~ 90% RH (non-condensing) -10°C ~ 45°C @ 60fps, 5% ~ 90% RH (non-condensing)
	Storage environment	Short Term: -20°C ~ 70°C, 5%~90% RH (non-condensing) Long Term: 0°C ~ 60°C, 5%~90% RH (non-condensing)

Dimensions

Unit: mm



Front View



Rear View



Ordering Information

Part No.	Model Name	Description	Operation Temperature
96ICAM-337	CAM-5530-U	CAM5530 USB3 Stereo vision camera	-10°C ~ 50°C

Packing List

Part No.	Description	Quantity
-	Camera	1
-	Tripod	1
-	Tripod head	1
-	USB cable (1m)	1