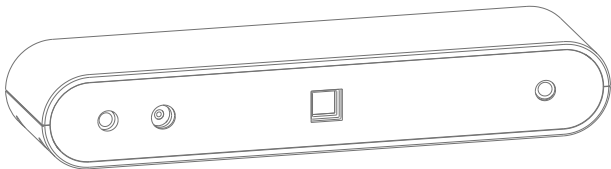


3D DEPTH CAMERA SPECIFICATIONS V1.0



PRODUCT OVERVIEW

The 3D depth camera adopts stereo vision technology to obtain depth information. With the MEMS scanning mirror, the coded structured light can be projected fast and precisely; while the infrared laser light causes no damage to human eye. Clear and precise texture data is output by the high-resolution color camera, together with highly accurate depth data captured with our proprietary algorithm and chips. The camera can be connected to computers or mobile phones via USB port to capture real-time high-resolution RGBD image. It is an ideal tool for development engineers to develop depth perception.

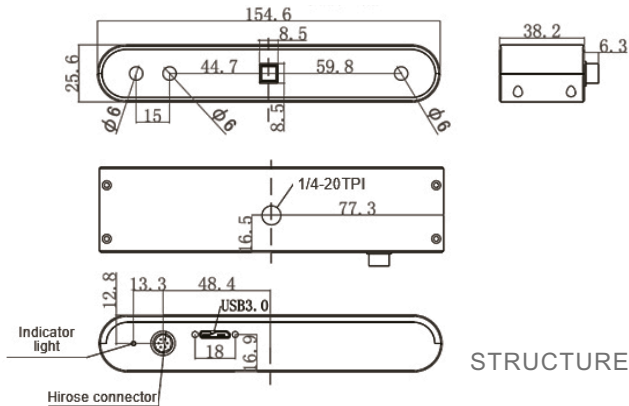
SPECIFICATIONS

Product	Ailook Q1
Technology	Dual camera infrared structured light
Depth range (m)	0.2~2m
Voltage & Current	5V, 1A
RGB sensor resolution & Frame rate	3264x2448@15FPS (MAX 8M pixels)
	1280x720@20FPS
	640x400@30FPS
Depth output resolution & Frame rate	1280x800@2.5~10fps
	640x400@7.5~30fps
Dimensions	165mm×40mm×30mm
Accuracy	±0.1mm@ 0.2m, ±0.5mm@ 0.5m
	±1mm@ 1m
RGB Sensor FOV	H64° x V50°

SPECIFICATIONS

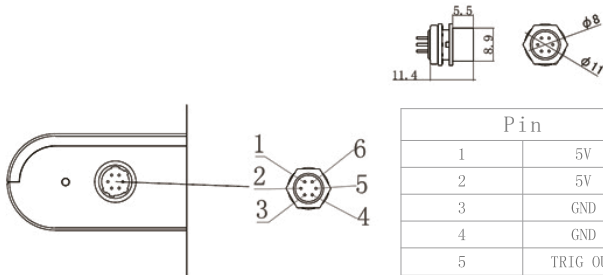
Depth FOV	H55° x V35°
RGBD alignment	Support alignment of depth image and RGB image
RGBD sync	Software sync
Delay time	100 ms
Operating system	Android/Linux/Windows7/8/10
Data transfer	USB2.0, Bluetooth 4.0, WIFI 2.4G/5G
Power supply	USB, Hirose 6-pin connector
Laser safety	Class 1 laser , 830nm
Use environment	Indoor only
Trigger	External input and output
Multiple device connection	Wired or wireless connection to multiple devices

TECHNICAL DRAWING



STRUCTURE

TECHNICAL DRAWING



Pin	
1	5V
2	5V
3	GND
4	GND
5	TRIG OUT
6	TRIG IN

HIROSE 6-PIN CONNECTOR

3D DEPTH CAMERA SPECIFICATIONS

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