



Meskernel

Chengdu Meskernel Integrated Technology Co.,Ltd.



ABOUT US

Chengdu Meskernel Integrated Technology Co.,Ltd. is a high-tech enterprise specializing in the research, development, design and production of laser measurement (sensing) core chips and systems. Meskernel engaged in the manufacturing of laser distance products, including laser measure sensors/modules and 2D, 3D Lidar. Our products are known for their exceptional precision, compact size, dot-matrix Lidar technology, and reliable performance. Meskernel has earned the unwavering trust and recognition of customers both domestically and internationally.

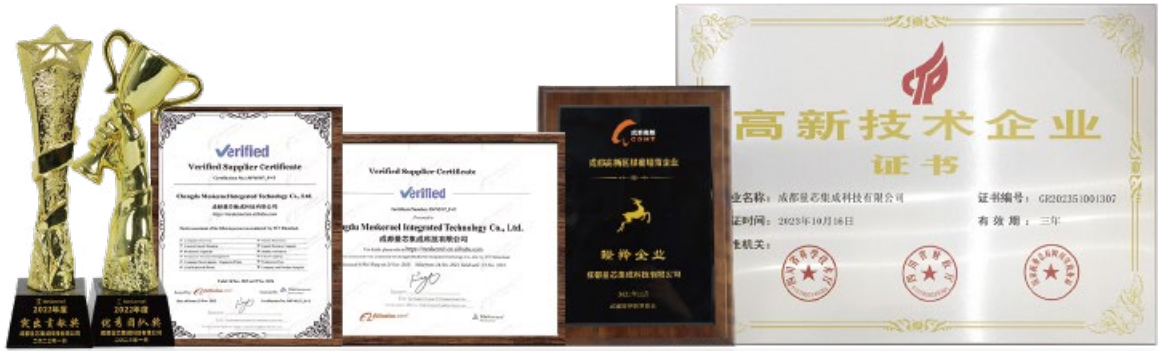


The company is headquartered in Chengdu, Sichuan Province, and currently has more than 100 employees, including more than 40 R&D engineers, accounting for more than 40%. At present, it is a Gazelle Enterprise in Chengdu as a Specialized, Refined, and Innovative Enterprise in Sichuan Province, and has joined the Natural Super Hivision Innovation Center Joint Laboratory, obtained and qualified of Chengdu Enterprise Technology Center, ISO Management System Certification and more than 60 patents.

We believe only by keeping your feet on the ground, you can look up at the stars. In the future, we will always uphold the values of "unity, focus, integrity, and common progress", focus on developing higher, faster, and stronger laser measurement cores, persist in R&D innovation, strengthen the market, and make every effort to create the most competitive world-renowned brand in the segmented fields.



CERTIFICATES



Certificate CE/FCC/RoHS



ISO9001/ISO14001/ISO45001



Invention Patents (30+)



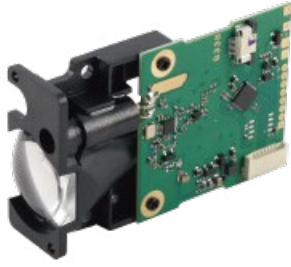
Appearance Design Patents (3+)

MARKETING DIVISION

Our products are exported both domestically and internationally, and we have established long-term cooperation with multiple companies. Our business covers more than 160 countries and regions worldwide.



LASER DISTANCE MODULES



J MODULE

Range	0.03-100m/150m
Size	64*40*18mm
Weight	13g
Accuracy	±3mm
Frequency	3Hz/20Hz
Laser Type	620nm-690nm, < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232



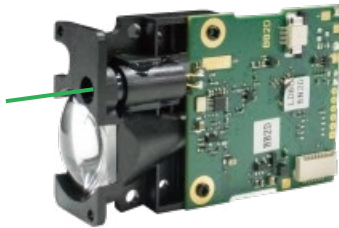
K MODULE

Range	0.03-40m/60m/80m
Size	45*25*12mm
Weight	10g
Accuracy	±2mm
Frequency	3Hz/8Hz/20Hz
Laser Type	620nm-690nm, < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232



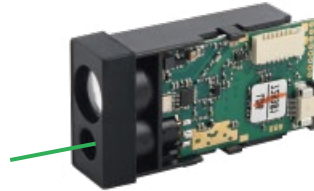
L MODULE

Range	0.03-10m/20m
Size	41*17*7mm
Weight	4g
Accuracy	±1mm
Frequency	3Hz
Laser Type	620nm-690nm, < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232



LDJG

Range	0.03-70m/100m
Size	64*40*18mm
Weight	13g
Accuracy	±3mm
Frequency	3Hz/20Hz
Laser Type	520nm , < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232



LDKG

Range	0.03-40m/60m/80m
Size	45*25*12mm
Weight	10g
Accuracy	±2mm
Frequency	3Hz/8Hz/20Hz
Laser Type	520nm , < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232



LDLL

Range	0.03-20m
Size	31*17*20mm
Weight	4g
Accuracy	±2mm
Frequency	3Hz/20Hz
Laser Type	620nm-690nm, < 1mW
Operating Temperature	-10~40°C
Interface	TTL/RS485/RS232

IP PROTECTION SENSORS



IP 54-20



IP 67-80



IP 68-150

Range	0.03-20m	0.03-80m	0.03-150m
Size	63*30*12mm	122*84*37mm	122*84*37mm
Weight	20.5g	515g	515g
Accuracy	±1mm	±2mm	±3mm
Frequency	3Hz	3Hz	3Hz
Laser Type	620nm-690nm, <1mW	620-690nm, <1mW	620-690nm, <1mW
Operating Temperature	-10~50°C	-10~50°C	-10~50°C
Interface	TTL/RS485/RS232	TTL/RS485/RS232	TTL/RS485/RS232

PULSE RANGING SENSORS



PTFG



PTFH



PTFS

Range	3-1500m	3-300m	3-400m/700m
Size	92*54*33.1mm	43*35*21mm	43*35*21mm
Weight	66g	20g	20g
Accuracy	±0.5-1m	±0.1m	±0.5-1m
Frequency	3Hz	100Hz/up to 3000Hz	3Hz
Laser Type	905nm	905nm	905nm
Operating Temperature	-10-40°C	-10-40°C	-10-40°C
Interface	TTL/RS485/RS232	TTL/RS485/RS232	TTL/RS485/RS232

CYLINDER PULSE RANGING SENSOR



TC22

TC25

Range	3-700m	3-1500m
Size	Φ22mm*43mm	Φ25mm*43mm
Weight	15g	15g
Accuracy	±1m	±1m
Frequency	1Hz	1Hz
Laser Type	905nm	905nm
Interface	TTL/RS485/RS232	TTL/RS485/RS232

LASER MEASUREMENT TOOL



3D LIDAR SENSOR

LASER TAPE(M6)

LASER RANGEFINDER(HYPER)

Range	0.02-12m
Accuracy	±45mm
Frequency	4500Hz
Scanning Angle	360 Degree
Scanning Frequency	5-13Hz

Range	0.03-40m+5m
Accuracy	±3mm
Size	92*54*33.1mm
Laser Type	Class II , 620~690nm
Power Supply	3.7V 200Mah, Lipo
Material	Aluminium alloy
Protection Class	IP54
Operating Temperature	0°C-40°C
Storage Temperature	-20°C-60°C
Color	■ Red ■ Silver ■ Blue ■ Black ■ Gold

Range	3-800/1000/1200/1500m
Accuracy	±0.5-1m
Size	105*75*35mm
Laser Type	Class II , 905nm
Power Supply	3.7V 400Mah, Lipo
Magnification	X6
Protection Class	IP54
Operating Temperature	0°C-40°C
Storage Temperature	-20°C-60°C
Color	White+Black

LASER DISTANCE METER



CL-150

Range 0.03~70/80/100/120/150m
Accuracy ±3mm
Size 117*48*26mm
Laser Grade &Type Class II , 620~690nm, <1mW (Green Laser 520nm)
Power supply 3.7V 400mah, Lipo
Working Temperature 0~40°C
Material ABS
Color ■Green+Black; ■Red+Black



C-80

Range 0.03~40/60/80m
Accuracy ±3mm
Size 110*36*20mm
Laser Grade &Type Class II , 620~690nm, <1mW
Power supply 1.5V 2xAAA battery (not included)
Working Temperature 0~40°C
Material ABS+TPU
Color ■Blue+Black



L-120

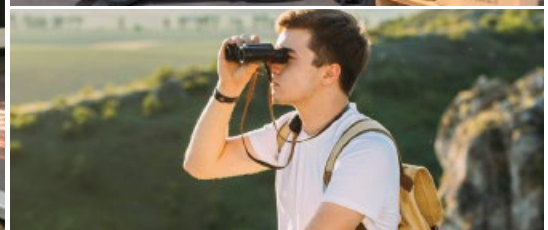
Range 0.03~80m
Accuracy ±3mm
Size 120*33.6*13.8mm
Laser Grade &Type Class II , 620~690nm, <1mW
Power supply 3.7V 200mah, Lipo
Working Temperature 0~40°C
Material Alluminum alloy
Color ■Silver



S-80

Range 0.03~40/60/80m
Accuracy ±3mm
Size 110*32*18mm
Laser Grade &Type Class II , 620~690nm, <1mW
Power supply 3.7V 500mah, Lipo
Working Temperature 0~40°C
Material Alluminum alloy
Color ■Black

WIDELY APPLICATION



CUSTOMIZATION CAPABILITIES OVERVIEW

OEM customization refers to our ability to produce goods with specific brand identities, according to the client's requirements and design concepts.



ODM customization refers to our one-stop service that includes design, R&D, and production for clients, helping them create products with tailored functions. This customization is suit for the clients who want to innovate their products and enter new markets.

Motherboard - Supporting various function expansions and optimizations.

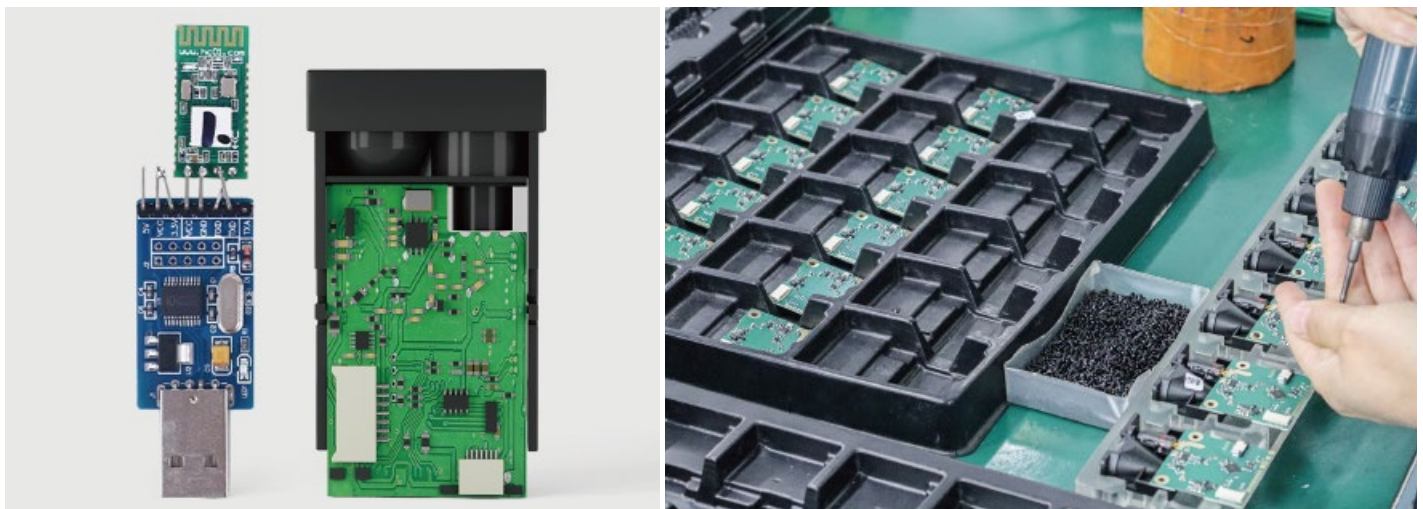
Functional Modules - We have different sensors, chips, modules for our clients, to meet their different requirements.

Housing - Offers a variety of material and design options for the shell, such as IP 54, IP 67, IP 68 can meet any harsh environmental requirements.

Bluetooth Function - Supports customization of Bluetooth version, transmission distance, and any other parameters.

Software - Provides customized operating systems, supporting integration with third-party software.

Temperature - Customizable wide temperature range.





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