

## Specification of AISTEAM 101S



AISTEAM is the fifth generation of educational robot developed by NASHENBOT, it is the artificial intelligence programming robot, which has the characteristics of "programming of everything" and "Internet of Everything", and it is a product line that combines artificial intelligence, robot and creator.

It includes,

1 set of controller,

5 motors,

1 servo motor,

4 types of actuators,

3 types of sensors,

3 types of wheels,

More than 500 building blocks, which can build Mecanum 4-wheel omnidirectional motion chassis or 2-wheel differential drive chassis robot. It can cooperate with sensors to realize various robot forms such as line patrol robot and obstacle avoidance robot. It can participate in the GAR competition and WRO competition.

1 lithium battery module, discharge voltage 7.4V, discharge capacity 1100mAh, charging voltage 8.4V, charging current 1.0~2.0A, it supports series connection and parallel connection;

1 charger, output voltage 8.4V, output current 1.0A;

1 set of Mecanum wheels, 2 left wheels, 2 right wheels, diameter  $5.8\text{cm} \pm 0.1\text{cm}$ , 9 sub-wheels, mute wear-resistant environmental protection rubber;

2 driving wheels, diameter  $5.6\text{cm} \pm 0.1\text{cm}$ , soft wear-resistant and environmentally friendly rubber;

There are no less than 500 building blocks, compatible with LEGO construction and expansion;

Controller \*1



Motor expansion module \*1



Servo motor (3pin) \*1



Infrared sensor \*1



Display screen \*1



Lithium battery \*1



Infrared remote control module \*1



Ordinary motor (2pin) \*1



Integrated 5-grayscales sensor \*1



Buzzer module\*1



Single-line follower sensor\*3



Infrared remote control\*1



Expansion module's cable \*1



Sensor's cable \*5



Encoder motor's cable \*4



Software:

Software name	Image
AICODE (windows version)	

Download Link: <https://www.nashenbot.com/software/>