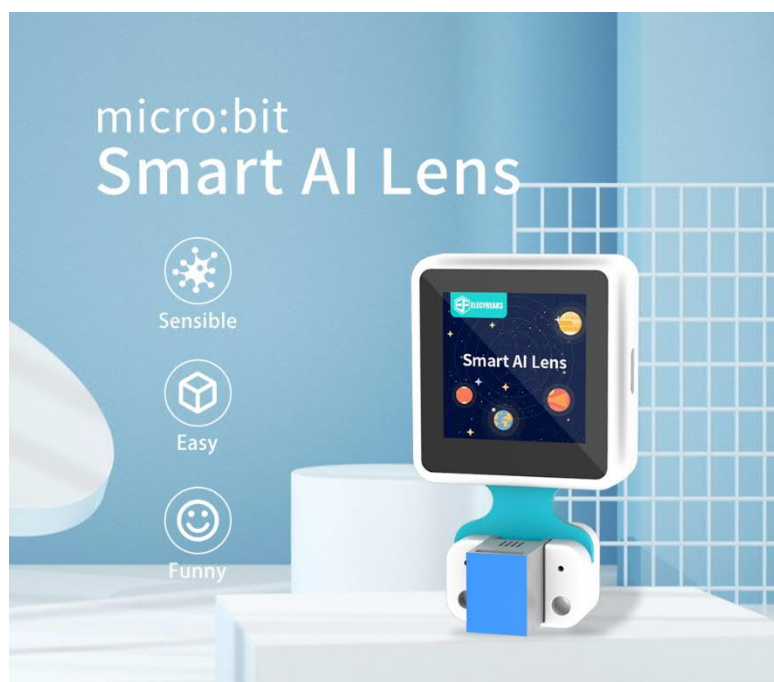


MBIT036

MICRO:BIT INTELLIGENCE ARTIFICIELLE LENTILLE INTELLIGENTE



Wide Application

Card
identification



Line-tracking



Ball tracking



Color
identification



One-button
to acquire



Face tracking



Designed for Kids, More Durable and Shatter Resistant

Protection Shell

Protect the components to prolong its service life.

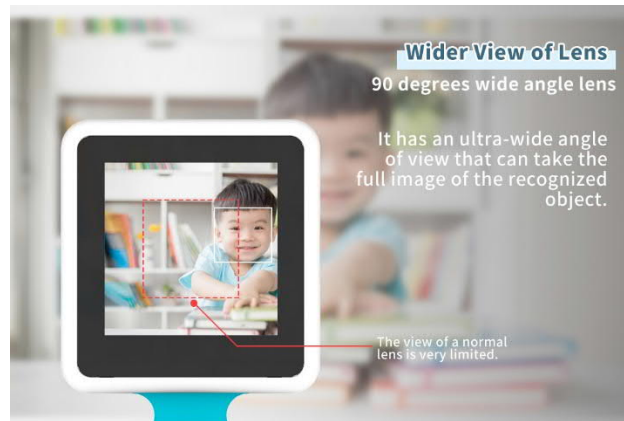
Screen

The protective layer makes it more durable.



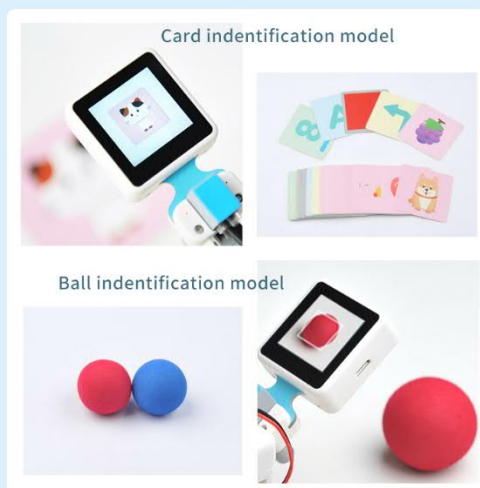
Compatible to Lego, easier to build





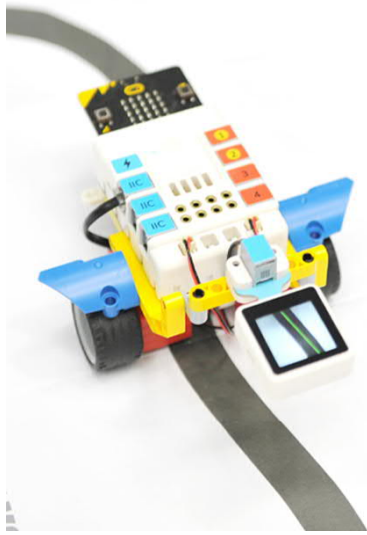
Play right out of the Box

The cards and balls (red and blue) inside the box are available to be operated directly without training and more training projects are available to build by yourself.



Simple Coding Makes It Easier for Operation

The blocks coding makes it easier for teaching and understanding



```
on start
  Initialize AI-Lens via IIC port
  Switch function as Tracking recognition

forever
  Get one image from AI-Lens
  if Image contains line's direction towards Left then
    Set motor M1 speed to 10 %
    Set motor M2 speed to 60 %
  else if Image contains line's direction towards Right then
    Set motor M1 speed to 60 %
    Set motor M2 speed to 10 %
  else
    Set motor M1 speed to 60 %
    Set motor M2 speed to 60 %
```

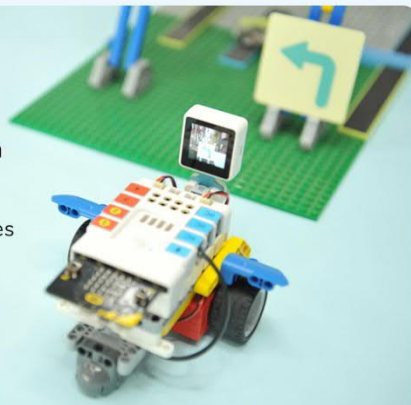
Simple Picturized Programming

Make AI accessible in classes

Easy to teach, fun to play

Card identification

Starting the AI Lens to make the car turn left when it recognizes the left indicator.



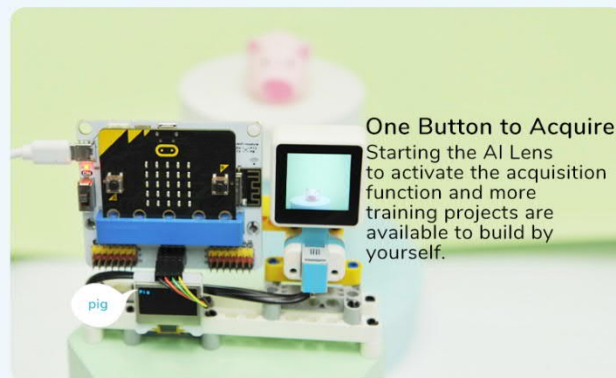


Line-tracking

Starting the AI Lens to drive the car along with the black line.

Color Identification

Starting the AI Lens to recognize the current color.



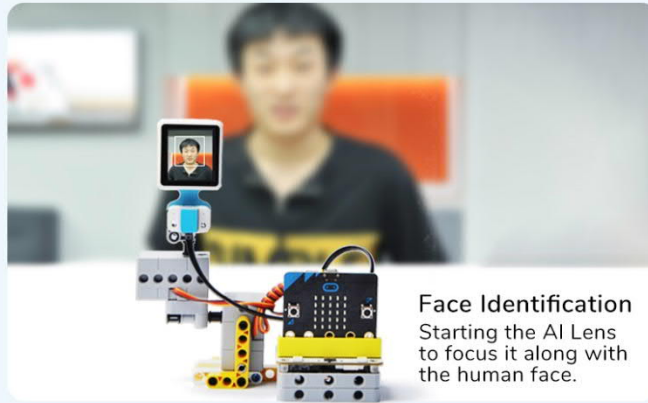
One Button to Acquire

Starting the AI Lens to activate the acquisition function and more training projects are available to build by yourself.

Ball-tracking

Starting the AI Lens to make the car follow with the ball.





Face Identification
Starting the AI Lens
to focus it along with
the human face.

Application Display



Parameter

Name: micro:bit Smart AI Lens
Core IC: K210
Lens: 90 degrees wide angle lens
Resolution: 240x240
Screen: 1.3 inch
Compatibility: Lego
Shell Material: Fireproofing ABS
Connections: micro USB,RJ11
Communications Protocol: IIC
Size: 92mmx145x40mm



Packing list



Plastic box



AI Lens X 1



RJ11 connections wire 200mm X 1



Red and Blue balls X 1



RJ11 to Dupont connection wire 200mm X 1



Cards X 41